

# LUMEL

## LOW-VOLTAGES CURRENT TRANSFORMES





# LUMEL

For over sixty years we have been providing you with all what you need, working in accordance with the highest standards. Every day thousands of our clients all over the world get our safe and user-friendly products. It wouldn't be possible without power and skills of our best specialists. We remember about every single detail

b e c a u s e

EVERYTHING COUNTS

|                                               |    |
|-----------------------------------------------|----|
| Current transformers summary.....             | 4  |
| General overview of current transformers..... | 6  |
| Instrument security factor.....               | 8  |
| LCTM - wound primary series.....              | 14 |
| LCTR - round conductor series.....            | 15 |
| LCTB 45 - busbar series.....                  | 17 |
| LCTB 50 - busbar series.....                  | 18 |
| LCTB 62 - busbar series.....                  | 20 |
| LCTB 74 - busbar series.....                  | 22 |
| LCTB 86 - busbar series.....                  | 24 |
| LCTB 100 - busbar series.....                 | 26 |
| LCTB 104 - busbar series.....                 | 27 |
| LCTB 140 - busbar series.....                 | 28 |
| LCTB 225 - busbar series.....                 | 30 |
| LCTS - split core.....                        | 31 |
| LCTP - 3-phase current transformers.....      | 32 |
| LRC - resin cast current transformers.....    | 34 |
| LU01 - summation current transformers.....    | 38 |
| LW - round current transformers.....          | 41 |
| LE - round current transformers.....          | 44 |
| Accessories.....                              | 46 |



# CURRENT TRANSFORMERS SUMMARY

|                                                                         |                   |          | Range of primary currents |        |           |        |            |        |           |        |         |        |
|-------------------------------------------------------------------------|-------------------|----------|---------------------------|--------|-----------|--------|------------|--------|-----------|--------|---------|--------|
| Hole diameter/<br>Busbar<br>dimensions                                  | Transformer type  | Page no. | Class 0.25                |        | Class 0.2 |        | Class 0.55 |        | Class 0.5 |        | Class 1 |        |
|                                                                         |                   |          | min                       | max    | min       | max    | min        | max    | min       | max    | min     | max    |
| Wound primary series                                                    |                   |          |                           |        |           |        |            |        |           |        |         |        |
| N/A                                                                     | LCTM 62/W(40)     | 14       | -                         | -      | 1 A       | 30 A   | -          | -      | 1 A       | 30 A   | 1 A     | 30 A   |
| N/A                                                                     | LCTM 74/W(40)     | 14       | -                         | -      | 1 A       | 60 A   | -          | -      | 1 A       | 60 A   | 1 A     | 60 A   |
| Current transformers with window for round conductor or busbar          |                   |          |                           |        |           |        |            |        |           |        |         |        |
| Ø 14                                                                    | LCTR 45/14(40)    | 15       | -                         | -      | -         | -      | -          | -      | 80 A      | 300 A  | 30 A    | 300 A  |
| Ø 14                                                                    | LCTR 50/14(30)    | 15       | -                         | -      | -         | -      | -          | -      | 100 A     | 300 A  | 40 A    | 300 A  |
| Ø 14                                                                    | LCTR 50/14(50)    | 15       | -                         | -      | -         | -      | -          | -      | 50 A      | 300 A  | 30 A    | 300 A  |
| Ø 22                                                                    | LCTR 62/R(40)     | 15       | -                         | -      | 100 A     | 600 A  | -          | -      | 75 A      | 600 A  | 50 A    | 600 A  |
| Ø 20 / 20 x 10                                                          | LCTB 45/21(40)    | 17       | -                         | -      | -         | -      | -          | -      | 80 A      | 400 A  | 50 A    | 400 A  |
| Ø 21 / 20 x 10                                                          | LCTB 50/21(30)    | 18       | -                         | -      | -         | -      | -          | -      | 80 A      | 400 A  | 50 A    | 400 A  |
| Ø 26 / 30 x 10                                                          | LCTB 50/30(30)    | 18       | -                         | -      | -         | -      | -          | -      | 100 A     | 600 A  | 75 A    | 600 A  |
| Ø 21 / 20 x 10                                                          | LCTB 50/21(50)    | 18       | -                         | -      | -         | -      | -          | -      | 50 A      | 400 A  | 50 A    | 400 A  |
| Ø 26 / 30 x 10                                                          | LCTB 50/30(50)    | 18       | -                         | -      | -         | -      | -          | -      | 100 A     | 600 A  | 50 A    | 600 A  |
| 20 x 12                                                                 | LCTB 62/20(40)    | 20       | 100 A                     | 400 A  | 100 A     | 400 A  | 100 A      | 400 A  | 75 A      | 400 A  | 50 A    | 400 A  |
| Ø 30 / 30 x 10                                                          | LCTB 62/30(40)    | 20       | 100 A                     | 800 A  | 100 A     | 800 A  | 100 A      | 800 A  | 100 A     | 800 A  | 50 A    | 800 A  |
| Ø 28 / 30 x 10                                                          | LCTB 62/30(50)    | 20       | 100 A                     | 800 A  | 100 A     | 800 A  | 100 A      | 800 A  | 75 A      | 800 A  | 50 A    | 800 A  |
| Ø 31 / 40 x 10                                                          | LCTB 62/40(40)    | 20       | 200 A                     | 800 A  | 200 A     | 800 A  | 200 A      | 800 A  | 200 A     | 800 A  | 100 A   | 800 A  |
| Ø 20 / 20 x 10                                                          | LCTB 74/20(45)    | 22       | 100 A                     | 400 A  | 100 A     | 400 A  | 100 A      | 400 A  | 75 A      | 400 A  | 40 A    | 400 A  |
| Ø 26 / 30 x 15                                                          | LCTB 74/30(45)    | 22       | 100 A                     | 800 A  | 100 A     | 800 A  | 100 A      | 800 A  | 75 A      | 800 A  | 40 A    | 800 A  |
| Ø 35 / 40 x 12                                                          | LCTB 74/40(45)    | 22       | 200 A                     | 1000 A | 200 A     | 1000 A | 200 A      | 1000 A | 100 A     | 1000 A | 40 A    | 1000 A |
| Ø 41 / 50 x 12                                                          | LCTB 74/50(45)    | 22       | 250 A                     | 1000 A | 250 A     | 1000 A | 250 A      | 1000 A | 200 A     | 1000 A | 100 A   | 1000 A |
| Ø 36 / 40 x 10                                                          | LCTB 86/40(45)    | 24       | 100 A                     | 1000 A | 100 A     | 1000 A | 100 A      | 1000 A | 100 A     | 1000 A | 50 A    | 1000 A |
| Ø 46 / 50 x 12                                                          | LCTB 86/50(45)    | 24       | 300 A                     | 1250 A | 300 A     | 1250 A | 300 A      | 1250 A | 120 A     | 1250 A | 100 A   | 1250 A |
| Ø 51 / 60 x 12                                                          | LCTB 86/60(45)    | 24       | 300 A                     | 1600 A | 300 A     | 1600 A | 300 A      | 1600 A | 200 A     | 1600 A | 100 A   | 1600 A |
| Ø 54 / 60 x 12                                                          | LCTB 104/60(45)   | 26       | 300 A                     | 1600 A | 250 A     | 1600 A | 300 A      | 1600 A | 150 A     | 1600 A | 100 A   | 1600 A |
| Ø 65 / 80 x 12                                                          | LCTB 104/80(45)   | 26       | 750 A                     | 2000 A | 400 A     | 2000 A | 750 A      | 2000 A | 250 A     | 2000A  | 200 A   | 2000 A |
| Ø 72 / 80 x30                                                           | LCTB 140/80(45)   | 27       | 500 A                     | 2000 A | 300 A     | 2000 A | 500 A      | 2000 A | 200 A     | 2000 A | 200 A   | 2000 A |
| Ø 86/ 100 x 30                                                          | LCTB 140/100H(45) | 27       | 600 A                     | 4000 A | 400 A     | 4000 A | 600 A      | 4000 A | 200 A     | 4000 A | 200 A   | 4000 A |
| 124 x 93                                                                | LCTB 225/125(50)  | 29       | 1000 A                    | 6000 A | 600 A     | 6000 A | 1000 A     | 6000 A | 600 A     | 6000 A | 600 A   | 6000 A |
| 166 x 65                                                                | LCTB 225/167(50)  | 29       | 1500 A                    | 7500 A | 1000 A    | 7500 A | 1500 A     | 7500 A | 1000 A    | 7500 A | 1000 A  | 7500 A |
| Current transformers with vertical window for busbar or round conductor |                   |          |                           |        |           |        |            |        |           |        |         |        |
| 41 x 103                                                                | LCTB 100/100V(45) | 25       | 1200 A                    | 2500 A | 1000 A    | 2500 A | 1200 A     | 2500 A | 400 A     | 2500 A | 400 A   | 2500 A |
| 38 x 128                                                                | LCTB 100/130V(45) | 25       | NA                        | NA     | 1500 A    | 3000 A | NA         | NA     | 400 A     | 3000 A | 400 A   | 3000 A |
| Ø 86 / 100 x 30                                                         | LCTB 140/100V(45) | 27       | 600 A                     | 3000 A | 400 A     | 3000 A | 600 A      | 3000 A | 200 A     | 3000 A | 200 A   | 3000 A |
| 70 x 130                                                                | LCTB 140/130V(45) | 27       | NA                        | NA     | 1000 A    | 5000 A | NA         | NA     | 400 A     | 5000 A | 400 A   | 5000 A |
| Split core series                                                       |                   |          |                           |        |           |        |            |        |           |        |         |        |
| 23 x 33                                                                 | LCTS 93/30SC(40)  | 30       | NA                        | NA     | NA        | NA     | NA         | NA     | 300 A     | 400 A  | 100 A   | 400 A  |
| 85 x 54                                                                 | LCTS 125/50SC(40) | 30       | NA                        | NA     | NA        | NA     | NA         | NA     | 250 A     | 1000 A | 250 A   | 1000 A |
| 85 x 125                                                                | LCTS 155/80SC(40) | 30       | NA                        | NA     | NA        | NA     | NA         | NA     | 250 A     | 3000 A | 250 A   | 3000 A |
| 82 x 162                                                                | LCTS 195/80SC(64) | 30       | NA                        | NA     | NA        | NA     | NA         | NA     | 500 A     | 5000 A | 500 A   | 5000 A |
| 3-phase current transformers                                            |                   |          |                           |        |           |        |            |        |           |        |         |        |
| 20 x 10                                                                 | LCTP 75/ 15 (60)  | 31       | NA                        | NA     | NA        | NA     | NA         | NA     | 150       | 160    | 100     | 160 A  |
| 20 x 10                                                                 | LCTP 105/ 21 (40) | 31       | NA                        | NA     | NA        | NA     | NA         | NA     | 160       | 250    | 100     | 250 A  |
| 30 x 15                                                                 | LCTP 140/ 31 (40) | 31       | NA                        | NA     | NA        | NA     | NA         | NA     | 250       | 630    | 250     | 630 A  |
| N/A                                                                     | LCTP 185/ 27 (45) | 32       | NA                        | NA     | NA        | NA     | NA         | NA     | NA        | NA     | 100     | 500 A  |
| N/A                                                                     | LCTP 185/ 37 (45) | 32       | NA                        | NA     | NA        | NA     | NA         | NA     | NA        | NA     | 300     | 800 A  |

# CURRENT TRANSFORMERS SUMMARY



|                                        |                   |          | Range of primary currents |     |           |        |            |        |           |        |         |        |         |      |
|----------------------------------------|-------------------|----------|---------------------------|-----|-----------|--------|------------|--------|-----------|--------|---------|--------|---------|------|
| Hole diameter/<br>Busbar<br>dimensions | Transformer type  | Page no. | Class 0.2S                |     | Class 0.2 |        | Class 0.5S |        | Class 0.5 |        | Class 1 |        | Class 5 |      |
|                                        |                   |          | min                       | max | min       | max    | min        | max    | min       | max    | min     | max    | min     | max  |
| Resin cast current transformers        |                   |          |                           |     |           |        |            |        |           |        |         |        |         |      |
| Ø 30                                   | LRC1 80/30 (50)   | 33       | -                         | -   | -         | -      | -          | -      | NA        | NA     | 60 A    | 160 A  | -       | -    |
| Ø 50                                   | LRC2 90/50 (40)   | 33       | -                         | -   | -         | -      | -          | -      | NA        | NA     | 200 A   | 320 A  | -       | -    |
| Ø 72                                   | LRC3 110/72 (40)  | 34       | -                         | -   | -         | -      | -          | -      | NA        | NA     | 400 A   | 630 A  | -       | -    |
| Ø 85                                   | LRC4 135/85 (40)  | 34       | -                         | -   | -         | -      | -          | -      | NA        | NA     | 800 A   | 1250 A | -       | -    |
| Ø 115                                  | LRC5 165/115 (40) | 35       | -                         | -   | -         | -      | -          | -      | NA        | NA     | 1500 A  | 2000 A | -       | -    |
| Ø 130                                  | LRC6 195/130 (40) | 35       | -                         | -   | -         | -      | -          | -      | NA        | NA     | 2500 A  | 3200 A | -       | -    |
| Ø 165                                  | LRC7 230/165 (40) | 36       | -                         | -   | -         | -      | -          | -      | NA        | NA     | 3000 A  | 3200 A | -       | -    |
| Ø 200                                  | LRC8 295/200 (40) | 36       | -                         | -   | -         | -      | -          | -      | NA        | NA     | 4000 A  | 5000 A | -       | -    |
| Round current transformers             |                   |          |                           |     |           |        |            |        |           |        |         |        |         |      |
| Ø 30                                   | LW01              | 41       | -                         | -   | -         | -      | -          | -      | 100 A     | 200 A  | 50 A    | 200 A  | -       | -    |
| Ø 30                                   | LW02              | 41       | -                         | -   | 200 A     | 200 A  | 150 A      | 200 A  | 75 A      | 200 A  | 50 A    | 200 A  | -       | -    |
| Ø 43                                   | LW03              | 42       | -                         | -   | 200 A     | 300 A  | 200 A      | 300 A  | 100 A     | 300 A  | 75 A    | 300 A  | -       | -    |
| Ø 58                                   | LW04              | 42       | -                         | -   | 400 A     | 600 A  | 200 A      | 600 A  | 150 A     | 600 A  | 120 A   | 600 A  | -       | -    |
| Ø 72                                   | LW05              | 43       | -                         | -   | 400 A     | 1000 A | 400 A      | 1000 A | 250 A     | 1000 A | 200 A   | 1000 A | -       | -    |
| Ø 113                                  | LW06              | 43       | -                         | -   | 600 A     | 3200 A | 600 A      | 3200 A | 600 A     | 3200 A | 600 A   | 3200 A | -       | -    |
| Ø 30                                   | LE 73/30 (50)     | 44       | -                         | -   | -         | -      | -          | -      | -         | -      | 100 A   | 200 A  | 50 A    | 75 A |
| Ø 43                                   | LE 92/43 (41)     | 44       | -                         | -   | -         | -      | -          | -      | -         | -      | 200 A   | 400 A  | -       | -    |
| Ø 50                                   | LE 95/50 (40)     | 44       | -                         | -   | -         | -      | -          | -      | -         | -      | 200 A   | 300 A  | -       | -    |
| Ø 58                                   | LE 100/58 (41)    | 44       | -                         | -   | -         | -      | -          | -      | -         | -      | 400 A   | 600 A  | -       | -    |
| Ø 72                                   | LE 110/72 (41)    | 45       | -                         | -   | -         | -      | -          | -      | -         | -      | 800 A   | 1000 A | -       | -    |
| Ø 85                                   | LE 135/85 (30)    | 45       | -                         | -   | -         | -      | -          | -      | -         | -      | 800 A   | 1200 A | -       | -    |
| Ø 113                                  | LE 159/113 (40)   | 45       | -                         | -   | -         | -      | -          | -      | -         | -      | 1200 A  | 2000 A | -       | -    |
| Ø 130                                  | LE 165/130 (30)   | 45       | -                         | -   | -         | -      | -          | -      | -         | -      | 2400 A  | 3000 A | -       | -    |

# GENERAL OVERVIEW OF CURRENT TRANSFORMERS

**CURRENT TRANSFORMER** is used for measurement of electric alternating currents. When current in a circuit (primary current) is too high to directly apply to measuring instruments, a current transformer produces a reduced current (secondary current) accurately proportional to the current in the circuit, which can be conveniently connected to measuring and recording instruments. A current transformer also isolates the measuring instruments from what may be very high voltage in the monitored circuit. Relationship between primary and secondary currents is called **rated transformation ratio**.

$$I_1 = I_2 \cdot \frac{N_2}{N_1}$$

where:  $I_1$  - primary current,  $I_2$  - secondary current,  $N_1$  - number of turns of primary winding,  $N_2$  - number of turns of secondary winding,  $N_2/N_1$  - rated transformation ratio  
Current transformers are used mainly in such a way that the cable from the measured shock or bus current passes through the main hole transformer, which is equivalent to one coil primary winding. In this case, the above equation simplifies to:

$$I_1 = I_2 \cdot N_2$$

The task is to reduce the transformer output current for currents of over 120% of measurement range, to protect against destruction of measuring devices connected to the transformer in case of surges or failures in the primary circuit.

## FEATURES:

- Wide range of accuracy classes: 0.2S, 0.2, 0.5S, 0.5, 1; 3
- Wide range of supported primary currents, the dimensions of rails, the length of casing and hole diameters.
- Multiple mounting methods, including wall mounting, DIN rail 35mm, the conductor, a current bar.
- Shields designed to seal connections.

## GENERAL SPECIFICATION

|                                                         |                                                                                                                                             |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applicable standard:</b>                             | IEC 61869-1/2                                                                                                                               |
| <b>Case:</b>                                            | 10% glass filled polycarbonate, flame retardant grades classified UL 94V-0 or housing made of epoxy resin (LRC series only)                 |
| <b>Connection:</b>                                      | Two connection on each side. M4 screws with self lifting clamp strap.                                                                       |
| <b>Insulation class</b>                                 | E (120°C max)                                                                                                                               |
| <b>Maximum system voltage:</b>                          | 0.72 kV                                                                                                                                     |
| <b>Test voltage:</b>                                    | 4kV, 1 min, 50Hz<br>3kV, 1 min, 50Hz (for LCTB 50/xx(30), LCTB 50xx(50))                                                                    |
| <b>Operating frequency:</b>                             | 50/60 Hz                                                                                                                                    |
| <b>Rated primary rating:</b>                            | 1 A ... 7500 A                                                                                                                              |
| <b>Rated secondary output:</b>                          | 5 A or 1 A                                                                                                                                  |
| <b>Rated burden:</b>                                    | 1, 1.25, 1.5, 2.5, 3.75, 5, 7.5, 10, 12.5, 15, 20, 30, 45, 60, 100 VA                                                                       |
| <b>Accuracy class:</b>                                  | 0.2, 0.2S, 0.5S – for laboratory and power measurement<br>0.5 – for accurate measuring<br>1; 3 – for general measurement, for analog meters |
| <b>Ambient temperature:</b>                             | -20°C ... +45°C                                                                                                                             |
| <b>Operating temperature:</b>                           | -10°C ... +55°C                                                                                                                             |
| <b>Storage temperature:</b>                             | -50°C ... +80°C                                                                                                                             |
| <b>Thermal short circuit current (I<sub>th</sub>):</b>  | 40 x I <sub>n</sub> for wound type<br>60 x I <sub>n</sub> for bus bar type                                                                  |
| <b>Dynamic short circuit current (I<sub>dyn</sub>):</b> | 2.5 x I <sub>th</sub>                                                                                                                       |
| <b>Instrument security factor (FS):</b>                 | 2.5, 5, 10                                                                                                                                  |

## FEATURES:

|       |          |
|-------|----------|
| 720 V | Class    |
|       | 0.2S 0.2 |
|       | 0.5S 0.5 |
|       | 1 3      |

## OUTPUTS:

|     |     |
|-----|-----|
| 5 A | 1 A |
|-----|-----|



## DEMAND FOR POWER MEASURING DEVICES:

CT users expect these devices fulfill two basic conditions:

- a high degree of accuracy in the nominal current,
- security functions with overloads.

In order to fulfill these stipulations it is necessary for the power of a current transformer offered to fully achieve the actual power requirements of the measurement setup. In ascertaining the actual power requirements, consideration is to be made not only of the loss of power of the appliances to be connected up, but also the losses incurred by the instrument leads.

# GENERAL OVERVIEW OF CURRENT TRANSFORMERS

Power requirements for measuring apparatus and relays:

- Analog moving-iron meters 0.7 – 1.5 VA
- Rectifier current meters 0.001 – 0.250 VA
- Multi-range current meters 0.005 – 5.000 VA
- Current recorders 0.300-9.000 VA
- Bimetallic ammeters 2.5 – 3.0 VA
- Power meter 0.2 – 5.0 VA
- Power factor meter 2.0 – 6.0 VA
- Meters 0.4 – 1.0 VA
- Relays 0.2 – 6.0 VA
- Power transducers 0.5 VA
- Energy meters 2.5 VA

Internal losses of copper wiring:

$$P = \frac{I^2 \times 2 L}{q_{CU} \times 56} \text{ [VA]}$$

Where:

I – Secondary nominal current,  
L – Distance in [m],  
q<sub>CU</sub> – wire cross-section in [mm<sup>2</sup>].

CONNECTION DIAGRAMM OF CURRENT TRANSFORMERS

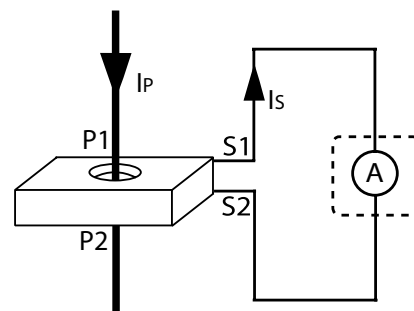


Table for values appertaining to 5 A

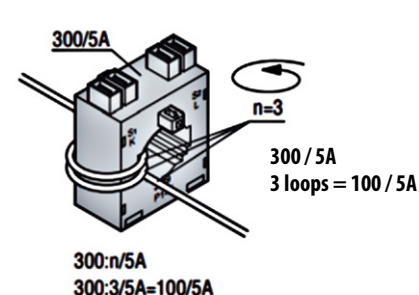
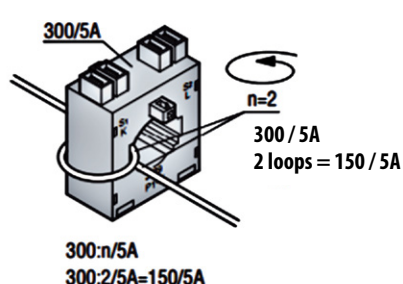
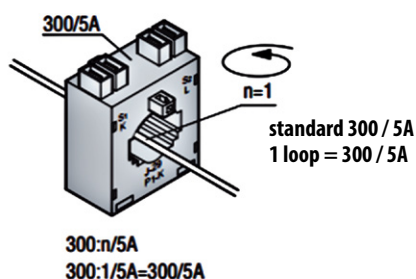
| q <sub>cu</sub>      | 1 m  | 2 m  | 3 m  | 4 m  | 5 m  | 6 m  | 7 m  | 8 m  | 9 m  | 10 m |
|----------------------|------|------|------|------|------|------|------|------|------|------|
| 2.5 mm <sup>2</sup>  | 0.36 | 0.71 | 1.07 | 1.43 | 1.78 | 2.14 | 2.50 | 2.86 | 3.21 | 3.57 |
| 4.0 mm <sup>2</sup>  | 0.22 | 0.45 | 0.67 | 0.89 | 1.12 | 1.34 | 1.56 | 1.79 | 2.01 | 2.24 |
| 6.0 mm <sup>2</sup>  | 0.15 | 0.30 | 0.45 | 0.60 | 0.74 | 0.89 | 1.04 | 1.19 | 1.34 | 1.49 |
| 10.0 mm <sup>2</sup> | 0.09 | 0.18 | 0.27 | 0.36 | 0.44 | 0.54 | 0.63 | 0.71 | 0.80 | 0.89 |

Table for values appertaining to 1 A

| q <sub>cu</sub>      | 10 m | 20 m | 30 m | 40 m | 50 m | 60 m | 70 m | 80 m | 90 m | 100 m |
|----------------------|------|------|------|------|------|------|------|------|------|-------|
| 1.0 mm <sup>2</sup>  | 0.36 | 0.71 | 1.07 | 1.43 | 1.78 | 2.14 | 2.50 | 2.86 | 3.21 | 3.57  |
| 2.5 mm <sup>2</sup>  | 0.14 | 0.29 | 0.43 | 0.57 | 0.72 | 0.86 | 1.00 | 1.14 | 1.29 | 1.43  |
| 4.0 mm <sup>2</sup>  | 0.09 | 0.18 | 0.27 | 0.36 | 0.45 | 0.54 | 0.63 | 0.71 | 0.80 | 0.89  |
| 6.0 mm <sup>2</sup>  | 0.06 | 0.12 | 0.18 | 0.24 | 0.30 | 0.36 | 0.42 | 0.48 | 0.54 | 0.60  |
| 10.0 mm <sup>2</sup> | 0.04 | 0.07 | 0.11 | 0.14 | 0.18 | 0.21 | 0.25 | 0.29 | 0.32 | 0.36  |

Reducing the transformer ratio.

An example of measuring currents smaller than the rated current of the transformer.



[illegible]



| Transformer type | LCTB - busbar series            |     |      |     |    |    |                 |     |      |     |   |    |                 |     |      |     |    |    |                 |     |      |     |   |      |                 |      |     |   |      |     |                 |     |   |  |  |  |                 |  |  |  |  |  |
|------------------|---------------------------------|-----|------|-----|----|----|-----------------|-----|------|-----|---|----|-----------------|-----|------|-----|----|----|-----------------|-----|------|-----|---|------|-----------------|------|-----|---|------|-----|-----------------|-----|---|--|--|--|-----------------|--|--|--|--|--|
|                  | LCTB 74/20 (45)                 |     |      |     |    |    | LCTB 74/30 (45) |     |      |     |   |    | LCTB 74/40 (45) |     |      |     |    |    | LCTB 74/50 (45) |     |      |     |   |      | LCTB 86/40 (45) |      |     |   |      |     | LCTB 86/50 (45) |     |   |  |  |  | LCTB 86/60 (45) |  |  |  |  |  |
|                  | 0.25                            | 0.2 | 0.55 | 0.5 | 1  | 3  | 0.25            | 0.2 | 0.55 | 0.5 | 1 | 3  | 0.25            | 0.2 | 0.55 | 0.5 | 1  | 3  | 0.25            | 0.2 | 0.55 | 0.5 | 1 | 0.25 | 0.2             | 0.55 | 0.5 | 1 | 0.25 | 0.2 | 0.55            | 0.5 | 1 |  |  |  |                 |  |  |  |  |  |
| Class            | 0.25                            | 0.2 | 0.55 | 0.5 | 1  | 3  | 0.25            | 0.2 | 0.55 | 0.5 | 1 | 3  | 0.25            | 0.2 | 0.55 | 0.5 | 1  | 3  | 0.25            | 0.2 | 0.55 | 0.5 | 1 | 0.25 | 0.2             | 0.55 | 0.5 | 1 | 0.25 | 0.2 | 0.55            | 0.5 | 1 |  |  |  |                 |  |  |  |  |  |
| Range [A]        | Instrument security factor (FS) |     |      |     |    |    |                 |     |      |     |   |    |                 |     |      |     |    |    |                 |     |      |     |   |      |                 |      |     |   |      |     |                 |     |   |  |  |  |                 |  |  |  |  |  |
| 30               |                                 |     |      |     |    | 10 |                 |     |      |     |   | 10 |                 |     |      |     |    | 10 |                 |     |      |     |   |      |                 |      |     |   |      |     |                 |     |   |  |  |  |                 |  |  |  |  |  |
| 40               |                                 |     |      |     |    | 10 |                 |     |      |     |   | 10 |                 |     |      |     | 5  |    |                 |     |      |     |   |      |                 |      |     |   |      |     |                 |     |   |  |  |  |                 |  |  |  |  |  |
| 50               |                                 |     |      |     |    | 10 |                 |     |      |     |   | 10 |                 |     |      | 5   |    |    |                 |     |      |     | 5 |      |                 |      |     |   |      |     |                 |     |   |  |  |  |                 |  |  |  |  |  |
| 60               |                                 |     |      |     |    | 5  |                 |     |      |     |   | 5  |                 |     |      | 5   |    |    |                 |     |      | 5   |   |      |                 |      |     |   |      |     |                 |     |   |  |  |  |                 |  |  |  |  |  |
| 75               |                                 |     |      |     | 15 | 5  |                 |     |      |     |   | 10 | 5               |     |      | 5   |    |    |                 |     |      | 5   |   |      |                 |      |     |   |      |     |                 |     |   |  |  |  |                 |  |  |  |  |  |
| 80               |                                 |     |      |     | 15 | 5  |                 |     |      |     |   | 10 | 5               |     |      | 5   |    |    |                 |     |      | 5   |   |      |                 |      |     |   |      |     |                 |     |   |  |  |  |                 |  |  |  |  |  |
| 100              | 5                               | 15  | 5    | 10  | 5  | 5  | 5               | 15  | 5    | 10  | 5 | 5  | 5               |     |      | 10  | 5  |    | 5               | 5   | 10   | 5   | 5 |      |                 |      |     |   |      |     |                 | 5   | 5 |  |  |  |                 |  |  |  |  |  |
| 120              | 5                               | 15  | 5    | 10  | 5  | 5  | 5               | 15  | 5    | 10  | 5 | 5  | 5               |     |      | 10  | 5  |    | 5               | 5   | 10   | 5   | 5 |      |                 |      |     |   |      |     | 10              | 5   | 5 |  |  |  |                 |  |  |  |  |  |
| 125              | 5                               | 15  | 5    | 10  | 5  | 5  | 5               | 15  | 5    | 10  | 5 | 5  | 5               |     |      | 10  | 5  |    | 5               | 5   | 10   | 5   | 5 |      |                 |      |     |   |      |     | 10              | 5   | 5 |  |  |  |                 |  |  |  |  |  |
| 150              | 5                               | 15  | 5    | 10  | 5  | 5  | 5               | 15  | 5    | 5   | 5 | 5  | 5               |     |      | 5   | 5  |    | 5               | 5   | 10   | 5   | 5 |      |                 |      |     |   |      |     | 5               | 5   | 5 |  |  |  |                 |  |  |  |  |  |
| 200              | 5                               | 10  | 5    | 5   | 5  | 5  | 5               | 15  | 5    | 5   | 5 | 5  | 5               | 5   |      | 5   | 5  |    | 5               | 5   | 10   | 5   | 5 |      |                 |      |     |   |      |     | 5               | 5   | 5 |  |  |  |                 |  |  |  |  |  |
| 250              | 5                               | 10  | 5    | 5   | 5  | 5  | 5               | 10  | 5    | 5   | 5 | 5  | 5               | 5   | 5    | 10  | 5  | 5  | 5               | 10  | 5    | 5   | 5 |      |                 |      |     |   |      |     | 5               | 5   | 5 |  |  |  |                 |  |  |  |  |  |
| 300              | 5                               | 10  | 5    | 5   | 5  | 5  | 5               | 10  | 5    | 5   | 5 | 5  | 5               | 5   | 5    | 10  | 5  | 5  | 5               | 10  | 5    | 5   | 5 |      |                 |      |     |   |      |     | 5               | 5   | 5 |  |  |  |                 |  |  |  |  |  |
| 400              | 5                               | 10  | 5    | 5   | 5  | 5  | 10              | 10  | 10   | 5   | 5 | 5  | 5               | 5   | 5    | 10  | 10 | 5  | 5               | 10  | 15   | 5   | 5 |      |                 |      |     |   |      |     | 5               | 5   | 5 |  |  |  |                 |  |  |  |  |  |
| 500              |                                 |     |      |     |    |    | 10              | 10  | 10   | 5   | 5 | 5  | 5               | 5   | 5    | 15  | 5  | 5  | 5               | 15  | 5    | 5   | 5 |      |                 |      |     |   |      |     | 5               | 5   | 5 |  |  |  |                 |  |  |  |  |  |
| 600              |                                 |     |      |     |    |    | 10              | 10  | 10   | 5   | 5 | 5  | 5               | 5   | 5    | 10  | 5  | 5  | 10              | 5   | 5    | 5   | 5 |      |                 |      |     |   |      |     | 10              | 5   | 5 |  |  |  |                 |  |  |  |  |  |
| 750              |                                 |     |      |     |    |    | 10              | 10  | 10   | 5   | 5 | 5  | 5               | 5   | 5    | 10  | 5  | 5  | 10              | 5   | 5    | 5   | 5 |      |                 |      |     |   |      |     | 10              | 5   | 5 |  |  |  |                 |  |  |  |  |  |
| 800              |                                 |     |      |     |    |    | 10              | 10  | 10   | 5   | 5 | 5  | 5               | 5   | 5    | 10  | 5  | 5  | 10              | 5   | 5    | 5   | 5 |      |                 |      |     |   |      |     | 10              | 5   | 5 |  |  |  |                 |  |  |  |  |  |
| 1000             |                                 |     |      |     |    |    |                 |     |      |     |   | 5  | 5               | 5   | 5    | 5   | 5  | 5  | 10              | 5   | 5    | 5   | 5 |      |                 |      |     |   |      | 5   | 5               | 5   |   |  |  |  |                 |  |  |  |  |  |
| 1200             |                                 |     |      |     |    |    |                 |     |      |     |   |    |                 |     |      |     |    |    |                 |     |      |     |   |      |                 |      |     |   |      |     | 5               | 5   | 5 |  |  |  |                 |  |  |  |  |  |
| 1250             |                                 |     |      |     |    |    |                 |     |      |     |   |    |                 |     |      |     |    |    |                 |     |      |     |   |      |                 |      |     |   |      |     | 5               | 5   | 5 |  |  |  |                 |  |  |  |  |  |
| 1500             |                                 |     |      |     |    |    |                 |     |      |     |   |    |                 |     |      |     |    |    |                 |     |      |     |   |      |                 |      |     |   |      |     | 5               | 5   | 5 |  |  |  |                 |  |  |  |  |  |
| 1600             |                                 |     |      |     |    |    |                 |     |      |     |   |    |                 |     |      |     |    |    |                 |     |      |     |   |      |                 |      |     |   |      |     | 5               | 5   | 5 |  |  |  |                 |  |  |  |  |  |

| LCTB - busbar series            |                    |      |     |      |     |   |                    |     |   |      |     |      |                 |   |      |     |      |     |                  |      |     |      |     |   |                  |     |      |     |   |      |                    |      |     |   |  |  |                    |  |  |  |  |  |                    |  |  |  |  |  |
|---------------------------------|--------------------|------|-----|------|-----|---|--------------------|-----|---|------|-----|------|-----------------|---|------|-----|------|-----|------------------|------|-----|------|-----|---|------------------|-----|------|-----|---|------|--------------------|------|-----|---|--|--|--------------------|--|--|--|--|--|--------------------|--|--|--|--|--|
| Transformer type                | LCTB 100/100V (45) |      |     |      |     |   | LCTB 100/130V (45) |     |   |      |     |      | LCTB104/60 (45) |   |      |     |      |     | LCTB 104/80 (45) |      |     |      |     |   | LCTB 140/80 (45) |     |      |     |   |      | LCTB 140/100H (45) |      |     |   |  |  | LCTB 140/100V (45) |  |  |  |  |  | LCTB 140/130V (45) |  |  |  |  |  |
|                                 | Class              | 0.25 | 0.2 | 0.55 | 0.5 | 1 | 0.2                | 0.5 | 1 | 0.25 | 0.2 | 0.55 | 0.5             | 1 | 0.25 | 0.2 | 0.55 | 0.5 | 1                | 0.25 | 0.2 | 0.55 | 0.5 | 1 | 0.25             | 0.2 | 0.55 | 0.5 | 1 | 0.25 | 0.2                | 0.55 | 0.5 | 1 |  |  |                    |  |  |  |  |  |                    |  |  |  |  |  |
| Instrument security factor (FS) |                    |      |     |      |     |   |                    |     |   |      |     |      |                 |   |      |     |      |     |                  |      |     |      |     |   |                  |     |      |     |   |      |                    |      |     |   |  |  |                    |  |  |  |  |  |                    |  |  |  |  |  |
| 100                             |                    |      |     |      |     |   |                    |     |   |      |     |      |                 |   |      |     |      |     |                  |      |     |      |     |   |                  |     |      |     |   |      |                    |      |     |   |  |  |                    |  |  |  |  |  |                    |  |  |  |  |  |
| 120                             |                    |      |     |      |     |   |                    |     |   |      |     |      |                 |   |      |     |      |     |                  |      |     |      |     |   |                  |     |      |     |   |      |                    |      |     |   |  |  |                    |  |  |  |  |  |                    |  |  |  |  |  |
| 125                             |                    |      |     |      |     |   |                    |     |   |      |     |      |                 |   |      |     |      |     |                  |      |     |      |     |   |                  |     |      |     |   |      |                    |      |     |   |  |  |                    |  |  |  |  |  |                    |  |  |  |  |  |
| 150                             |                    |      |     |      |     |   |                    |     |   |      |     |      |                 |   |      |     |      |     |                  |      |     |      |     |   |                  |     |      |     |   |      |                    |      |     |   |  |  |                    |  |  |  |  |  |                    |  |  |  |  |  |
| 200                             |                    |      |     |      |     |   |                    |     |   |      |     |      |                 |   |      |     |      |     |                  |      |     |      |     |   |                  |     |      |     |   |      |                    |      |     |   |  |  |                    |  |  |  |  |  |                    |  |  |  |  |  |
| 250                             |                    |      |     |      |     |   |                    |     |   |      |     |      |                 |   |      |     |      |     |                  |      |     |      |     |   |                  |     |      |     |   |      |                    |      |     |   |  |  |                    |  |  |  |  |  |                    |  |  |  |  |  |
| 300                             |                    |      |     |      |     |   |                    |     |   |      |     |      |                 |   |      |     |      |     |                  |      |     |      |     |   |                  |     |      |     |   |      |                    |      |     |   |  |  |                    |  |  |  |  |  |                    |  |  |  |  |  |
| 400                             |                    |      |     |      |     |   |                    |     |   |      |     |      |                 |   |      |     |      |     |                  |      |     |      |     |   |                  |     |      |     |   |      |                    |      |     |   |  |  |                    |  |  |  |  |  |                    |  |  |  |  |  |
| 500                             |                    |      |     |      |     |   |                    |     |   |      |     |      |                 |   |      |     |      |     |                  |      |     |      |     |   |                  |     |      |     |   |      |                    |      |     |   |  |  |                    |  |  |  |  |  |                    |  |  |  |  |  |
| 600                             |                    |      |     |      |     |   |                    |     |   |      |     |      |                 |   |      |     |      |     |                  |      |     |      |     |   |                  |     |      |     |   |      |                    |      |     |   |  |  |                    |  |  |  |  |  |                    |  |  |  |  |  |
| 750                             |                    |      |     |      |     |   |                    |     |   |      |     |      |                 |   |      |     |      |     |                  |      |     |      |     |   |                  |     |      |     |   |      |                    |      |     |   |  |  |                    |  |  |  |  |  |                    |  |  |  |  |  |
| 800                             |                    |      |     |      |     |   |                    |     |   |      |     |      |                 |   |      |     |      |     |                  |      |     |      |     |   |                  |     |      |     |   |      |                    |      |     |   |  |  |                    |  |  |  |  |  |                    |  |  |  |  |  |
| 1000                            |                    |      |     |      |     |   |                    |     |   |      |     |      |                 |   |      |     |      |     |                  |      |     |      |     |   |                  |     |      |     |   |      |                    |      |     |   |  |  |                    |  |  |  |  |  |                    |  |  |  |  |  |
| 1200                            |                    |      |     |      |     |   |                    |     |   |      |     |      |                 |   |      |     |      |     |                  |      |     |      |     |   |                  |     |      |     |   |      |                    |      |     |   |  |  |                    |  |  |  |  |  |                    |  |  |  |  |  |
| 1250                            |                    |      |     |      |     |   |                    |     |   |      |     |      |                 |   |      |     |      |     |                  |      |     |      |     |   |                  |     |      |     |   |      |                    |      |     |   |  |  |                    |  |  |  |  |  |                    |  |  |  |  |  |
| 1500                            |                    |      |     |      |     |   |                    |     |   |      |     |      |                 |   |      |     |      |     |                  |      |     |      |     |   |                  |     |      |     |   |      |                    |      |     |   |  |  |                    |  |  |  |  |  |                    |  |  |  |  |  |
| 1600                            |                    |      |     |      |     |   |                    |     |   |      |     |      |                 |   |      |     |      |     |                  |      |     |      |     |   |                  |     |      |     |   |      |                    |      |     |   |  |  |                    |  |  |  |  |  |                    |  |  |  |  |  |
| 2000                            |                    |      |     |      |     |   |                    |     |   |      |     |      |                 |   |      |     |      |     |                  |      |     |      |     |   |                  |     |      |     |   |      |                    |      |     |   |  |  |                    |  |  |  |  |  |                    |  |  |  |  |  |
| 2500                            |                    |      |     |      |     |   |                    |     |   |      |     |      |                 |   |      |     |      |     |                  |      |     |      |     |   |                  |     |      |     |   |      |                    |      |     |   |  |  |                    |  |  |  |  |  |                    |  |  |  |  |  |
| 3000                            |                    |      |     |      |     |   |                    |     |   |      |     |      |                 |   |      |     |      |     |                  |      |     |      |     |   |                  |     |      |     |   |      |                    |      |     |   |  |  |                    |  |  |  |  |  |                    |  |  |  |  |  |
| 4000                            |                    |      |     |      |     |   |                    |     |   |      |     |      |                 |   |      |     |      |     |                  |      |     |      |     |   |                  |     |      |     |   |      |                    |      |     |   |  |  |                    |  |  |  |  |  |                    |  |  |  |  |  |
| 5000                            |                    |      |     |      |     |   |                    |     |   |      |     |      |                 |   |      |     |      |     |                  |      |     |      |     |   |                  |     |      |     |   |      |                    |      |     |   |  |  |                    |  |  |  |  |  |                    |  |  |  |  |  |





| Transformer type |       | LU01 - summation current transformer |   |            |    |
|------------------|-------|--------------------------------------|---|------------|----|
|                  |       | LU01 (75)                            |   | LU01 (150) |    |
| Class            |       | 0.5                                  | 1 | 0.5        | 1  |
| Inputs           | Power | Instrument security factor (FS)      |   |            |    |
| 2 x 5A           | 5 VA  | 5                                    | 5 |            |    |
|                  | 10 VA | 5                                    | 5 |            |    |
|                  | 15 VA | 5                                    | 5 |            |    |
|                  | 20 VA |                                      | 5 |            |    |
|                  | 25 VA |                                      | 5 |            |    |
| 3 x 5A           | 5 VA  | 5                                    | 5 |            |    |
|                  | 10 VA | 5                                    | 5 |            |    |
|                  | 15 VA | 5                                    | 5 |            |    |
|                  | 20 VA |                                      | 5 |            |    |
|                  | 25 VA |                                      | 5 |            |    |
| 4 x 5A           | 5 VA  | 5                                    | 5 |            |    |
|                  | 10 VA | 5                                    | 5 |            |    |
|                  | 15 VA | 5                                    | 5 |            |    |
|                  | 20 VA |                                      | 5 |            |    |
|                  | 25 VA |                                      | 5 |            |    |
| 5 x 5A           | 5 VA  |                                      |   | 10         | 10 |
|                  | 10 VA |                                      |   | 5          | 5  |
|                  | 15 VA |                                      |   | 5          | 5  |
|                  | 20 VA |                                      |   |            | 5  |
|                  | 25 VA |                                      |   |            | 5  |
| 6 x 5A           | 5 VA  |                                      |   | 10         | 10 |
|                  | 10 VA |                                      |   | 5          | 5  |
|                  | 15 VA |                                      |   | 5          | 5  |
|                  | 20 VA |                                      |   |            | 5  |
|                  | 25 VA |                                      |   |            | 5  |
| 7 x 5A           | 5 VA  |                                      |   | 10         | 10 |
|                  | 10 VA |                                      |   | 10         | 10 |
|                  | 15 VA |                                      |   | 5          | 5  |
|                  | 20 VA |                                      |   |            | 5  |
|                  | 25 VA |                                      |   |            | 5  |
| 8 x 5A           | 5 VA  |                                      |   | 10         | 10 |
|                  | 10 VA |                                      |   | 10         | 10 |
|                  | 15 VA |                                      |   | 5          | 5  |
|                  | 20 VA |                                      |   |            | 5  |
|                  | 25 VA |                                      |   |            | 5  |

## INSTRUMENT SECURITY FACTOR



# LCTM - WOUND PRIMARY SERIES



INPUT:

1 A  
...  
60 A

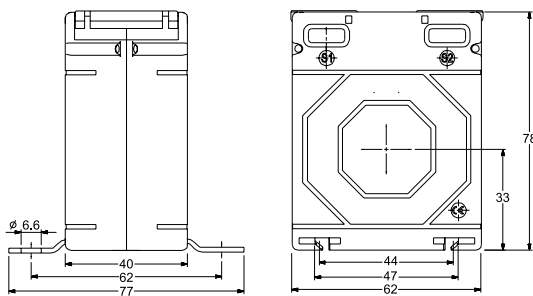
OUTPUTS:

5 A 1 A

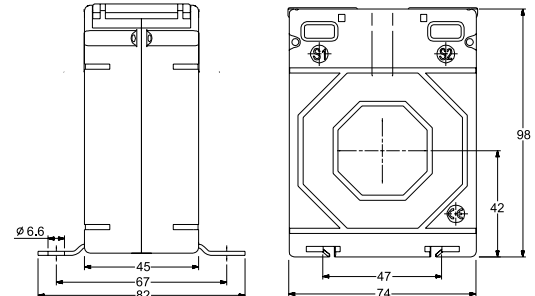
|                   | LCTM 62/W (40) | LCTM 74/W (45) |
|-------------------|----------------|----------------|
| Depth             | 40 mm          | 45 mm          |
| Width             | 62 mm          | 74 mm          |
| Primary current   | 1 A...30 A     | 1 A...60 A     |
| Secondary current | 1 A, 5 A       |                |
| Accuracy class    | 0.2; 0.5; 1    |                |

## DIMENSIONS

LCTM 62/W (40)



LCTM 74/W (45)



## ORDERING CODES

LCTM 62W040

| Secondary current | Code |
|-------------------|------|
| x/5A              | 5    |
| x/1A              | 1    |

| Transformer type | LCTM 62/W (40) |     |   |
|------------------|----------------|-----|---|
| Accuracy class   | 0,2            | 0,5 | 1 |
| Code             | 2              | 5   | 1 |

| Code  | Rated primary current | Transformer burden |        |      |
|-------|-----------------------|--------------------|--------|------|
| 0001A | 1A                    | 1 VA               | 2.5 VA | 5 VA |
| 02.5A | 2.5 A                 | 1 VA               | 2.5 VA | 5 VA |
| 0005A | 5 A                   | 1 VA               | 2.5 VA | 5 VA |
| 07.5A | 7.5 A                 | 1 VA               | 2.5 VA | 5 VA |
| 0010A | 10 A                  | 1 VA               | 2.5 VA | 5 VA |
| 0015A | 15 A                  | 1 VA               | 2.5 VA | 5 VA |
| 0020A | 20 A                  | 1 VA               | 2.5 VA | 5 VA |
| 0025A | 25 A                  | 1 VA               | 2.5 VA | 5 VA |
| 0030A | 30 A                  | 1 VA               | 2.5 VA | 5 VA |

LCTM 74W045

| Secondary current | Code |
|-------------------|------|
| x/5A              | 5    |
| x/1A              | 1    |

| Transformer type | LCTM 74/W (45) |     |   |
|------------------|----------------|-----|---|
| Accuracy class   | 0.2            | 0.5 | 1 |
| Code             | 2              | 5   | 1 |

| Code  | Rated primary current | Transformer burden |      |       |
|-------|-----------------------|--------------------|------|-------|
| 0001A | 1A                    | 1.5 VA             | 5 VA | 10 VA |
| 02.5A | 2.5 A                 | 1.5 VA             | 5 VA | 10 VA |
| 0005A | 5 A                   | 1.5 VA             | 5 VA | 10 VA |
| 07.5A | 7.5 A                 | 1.5 VA             | 5 VA | 10 VA |
| 0010A | 10 A                  | 1.5 VA             | 5 VA | 10 VA |
| 0015A | 15 A                  | 1.5 VA             | 5 VA | 10 VA |
| 0020A | 20 A                  | 1.5 VA             | 5 VA | 10 VA |
| 0025A | 25 A                  | 1.5 VA             | 5 VA | 10 VA |
| 0030A | 30 A                  | 1.5 VA             | 5 VA | 10 VA |
| 0040A | 40 A                  | 1.5 VA             | 5 VA | 10 VA |
| 0050A | 50 A                  | 1.5 VA             | 5 VA | 10 VA |
| 0060A | 60 A                  | 1.5 VA             | 5 VA | 10 VA |

**Ordering example:** Order code LCTM 62W0400030A55 means the transformer LCTM 62/W(40) 30/5A; Class 0.5; power 2.5VA

## ACCESSORIES:

DIN rail mounting base

Order code: LH000-0904-130-124

# LCTR - ROUND CONDUCTOR SERIES

|                   | LCTR 45/14 (40) | LCTR 50/14 (30) | LCTR 50/14 (50) | LCTR 62/R (40)       |
|-------------------|-----------------|-----------------|-----------------|----------------------|
| Hole diameter     | Ø 14 mm         | Ø 14 mm         | Ø 14 mm         | Ø 22 mm              |
| Depth             | 40 mm           | 31 mm           | 51 mm           | 40 mm                |
| Width             | 45 mm           | 50 mm           | 50 mm           | 62 mm                |
| Primary current   | 30 A...300 A    | 40 A...300 A    | 30 A...300 A    | 50 A...600 A         |
| Secondary current | 1 A, 5 A        |                 |                 |                      |
| Accuracy class    | 0.5; 1; 3       |                 |                 | 0.2; 0.5S; 0.5; 1; 3 |

INPUT:

30 A  
...  
600 A

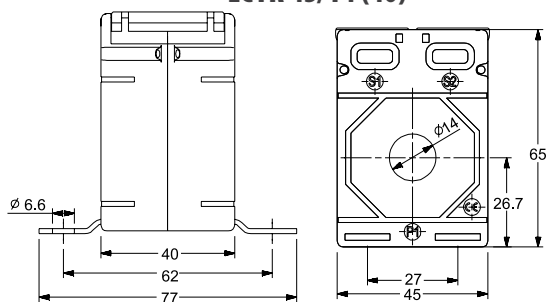
OUTPUTS:

5 A 1 A

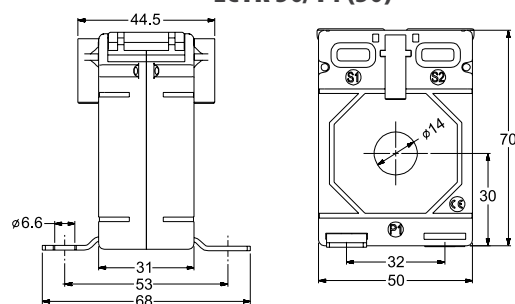


## DIMENSIONS

LCTR 45/14 (40)



LCTR 50/14 (30)



## ORDERING CODES

LCTR 451440



| Secondary current | Code |
|-------------------|------|
| x/5A              | 5    |
| x/1A              | 1    |

| Transformer type | LCTR 45/14 (40) |   |   |
|------------------|-----------------|---|---|
| Accuracy class   | 0.5             | 1 | 3 |

| Code  | Rated primary current | Transformer burden |         |         | Code |
|-------|-----------------------|--------------------|---------|---------|------|
| 0030A | 30 A                  | -                  | 1 VA    | 1.5 VA  | 1    |
| 0040A | 40 A                  | -                  | 1 VA    | 1.5 VA  |      |
| 0050A | 50 A                  | -                  | 1.5 VA  | 2.5 VA  |      |
| 0060A | 60 A                  | -                  | 1.5 VA  | 2.5 VA  |      |
| 0075A | 75 A                  | -                  | 2.5 VA  | 3.75 VA |      |
| 0080A | 80 A                  | 1 VA               | 2.5 VA  | 3.75 VA | 5    |
| 0100A | 100 A                 | 1.5 VA             | 3.75 VA | 3.75 VA |      |
| 0120A | 120 A                 | 1.5 VA             | 3.75 VA | 5 VA    |      |
| 0125A | 125 A                 | 2.5 VA             | 3.75 VA | 5 VA    |      |
| 0150A | 150 A                 | 2.5 VA             | 5 VA    | 5 VA    |      |
| 0200A | 200 A                 | 3.75 VA            | 7.5 VA  | 7.5 VA  |      |
| 0250A | 250 A                 | 5 VA               | 7.5 VA  | 10 VA   |      |
| 0300A | 300 A                 | 5 VA               | 10 VA   | 12.5 VA |      |

LCTR 501430



| Secondary current | Code |
|-------------------|------|
| x/5A              | 5    |
| x/1A              | 1    |

| Transformer type | LCTR 50/14 (30) |   |   |
|------------------|-----------------|---|---|
| Accuracy class   | 0.5             | 1 | 3 |

| Code  | Rated primary current | Transformer burden |         |        | Code |
|-------|-----------------------|--------------------|---------|--------|------|
| 0040A | 40 A                  | -                  | 1 VA    | 1.5 VA | 1    |
| 0050A | 50 A                  | -                  | 1.5 VA  | 2 VA   |      |
| 0060A | 60 A                  | -                  | 1.5 VA  | 2 VA   |      |
| 0075A | 75 A                  | -                  | 1.5 VA  | 2.5 VA |      |
| 0080A | 80 A                  | -                  | 1.5 VA  | 2.5 VA |      |
| 0100A | 100 A                 | 2.5 VA             | 3.75 VA | 5 VA   | 5    |
| 0120A | 120 A                 | 2.5 VA             | 3.75 VA | 5 VA   |      |
| 0125A | 125 A                 | 2.5 VA             | 3.75 VA | 5 VA   |      |
| 0150A | 150 A                 | 3.75 VA            | 5 VA    | 7.5 VA |      |
| 0200A | 200 A                 | 3.75 VA            | 5 VA    | 7.5 VA |      |
| 0250A | 250 A                 | 5 VA               | 7.5 VA  | 7.5 VA |      |
| 0300A | 300 A                 | 7.5 VA             | 7.5 VA  | 7.5 VA |      |

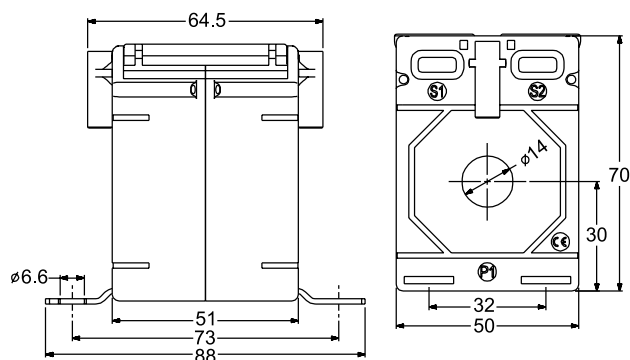
**Ordering example:** Order code LCTR 4514400100A55 means the transformer LCTR 45/14(40) 100/5A meeting the requirements of the class:

- kl. 0.5 1.5 VA
- kl. 1 3.75 VA
- kl. 3 3.75 VA

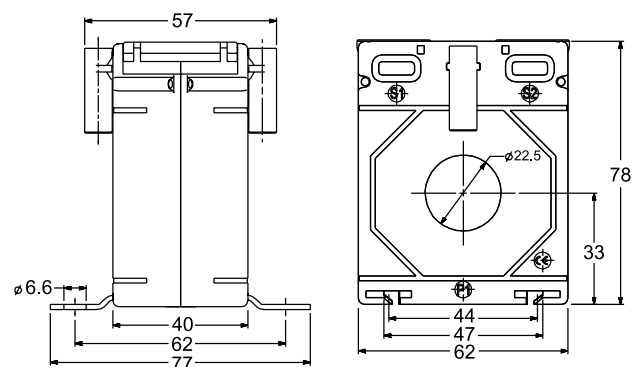
# LCTR - ROUND CONDUCTOR SERIES

## DIMENSIONS

LCTR 50/14 (50)



LCTR 62/R (40)



## ORDERING CODES

LCTR 501450

LCTR 62R40

| Secondary current | Code |
|-------------------|------|
| x/5A              | 5    |
| x/1A              | 1    |

| Secondary current | Code |
|-------------------|------|
| x/5A              | 5    |
| x/1A              | 1    |

| Transformer type | LCTR 50/14 (50) |   |   |
|------------------|-----------------|---|---|
| Accuracy class   | 0.5             | 1 | 3 |

| Transformer type | LCTR 62/R (40) |      |     |   |   |
|------------------|----------------|------|-----|---|---|
| Accuracy class   | 0.2            | 0.5S | 0.5 | 1 | 3 |
| Code             | 2              | R    | -   | - | - |

| Code  | Rated primary current | Transformer burden |         |         | Code |
|-------|-----------------------|--------------------|---------|---------|------|
| 0030A | 30 A                  | -                  | 1 VA    | 1 VA    | 1    |
| 0040A | 40 A                  | -                  | 1 VA    | 1 VA    |      |
| 0050A | 50 A                  | 1.5 VA             | 1.5 VA  | 2 VA    |      |
| 0060A | 60 A                  | 1.5 VA             | 1.5 VA  | 2.5 VA  |      |
| 0075A | 75 A                  | 2.5 VA             | 5 VA    | 5 VA    |      |
| 0080A | 80 A                  | 2.5 VA             | 5 VA    | 7.5 VA  | 5    |
| 0100A | 100 A                 | 3.75 VA            | 5 VA    | 7.5 VA  |      |
| 0120A | 120 A                 | 3.75 VA            | 5 VA    | 7.5 VA  |      |
| 0125A | 125 A                 | 3.75 VA            | 5 VA    | 7.5 VA  |      |
| 0150A | 150 A                 | 5 VA               | 7.5 VA  | 10 VA   |      |
| 0200A | 200 A                 | 7.5 VA             | 10 VA   | 12.5 VA |      |
| 0250A | 250 A                 | 10 VA              | 12.5 VA | 15 VA   |      |
| 0300A | 300 A                 | 10 VA              | 12.5 VA | 15 VA   |      |

| Code  | Rated primary current | Transformer burden |        |       | Code |
|-------|-----------------------|--------------------|--------|-------|------|
| 0050A | 50 A                  | -                  | -      | -     | 1    |
| 0060A | 60 A                  | -                  | -      | -     |      |
| 0075A | 75 A                  | -                  | -      | -     |      |
| 0080A | 80 A                  | -                  | -      | -     |      |
| 0100A | 100 A                 | 1.5 VA             | -      | -     |      |
| 0120A | 120 A                 | 1.5 VA             | -      | -     | 5    |
| 0125A | 125 A                 | 1.5 VA             | -      | -     |      |
| 0150A | 150 A                 | 2.5 VA             | 2.5 VA | 5 VA  |      |
| 0200A | 200 A                 | 5 VA               | 5 VA   | 5 VA* |      |
| 0250A | 250 A                 | 5 VA               | 5 VA   | 10 VA |      |
| 0300A | 300 A                 | 5 VA               | 5 VA   | 15 VA |      |
| 0400A | 400 A                 | 7.5 VA             | 7.5 VA | 15 VA |      |
| 0500A | 500 A                 | 10 VA              | -      | 15 VA |      |
| 0600A | 600 A                 | 10 VA              | -      | 15 VA |      |

**Ordering example:** Order code LCTR 5014500100A55 means the transformer LCTR 50/14(50) 100/5A meeting the requirements of the class:

- kl. 0.5 3.75 VA
- kl. 1 5 VA
- kl. 3 7.5 VA

\* The custom value of the nominal power, which should be given when ordering the transformer.

## ACCESSORIES:

DIN rail mounting base  
- for details see page 46



# LCTB 45 - BUSBAR SERIES

|                   | LCTB 45/21 (40) |
|-------------------|-----------------|
| Hole diameter     | Ø 20 mm         |
| Busbar            | 20 x 10 mm      |
| Depth             | 40 mm           |
| Width             | 45 mm           |
| Primary current   | 50 A...400 A    |
| Secondary current | 1 A, 5 A        |
| Accuracy class    | 0.5; 1; 3       |

INPUT:

50 A

...

400 A

OUTPUTS:

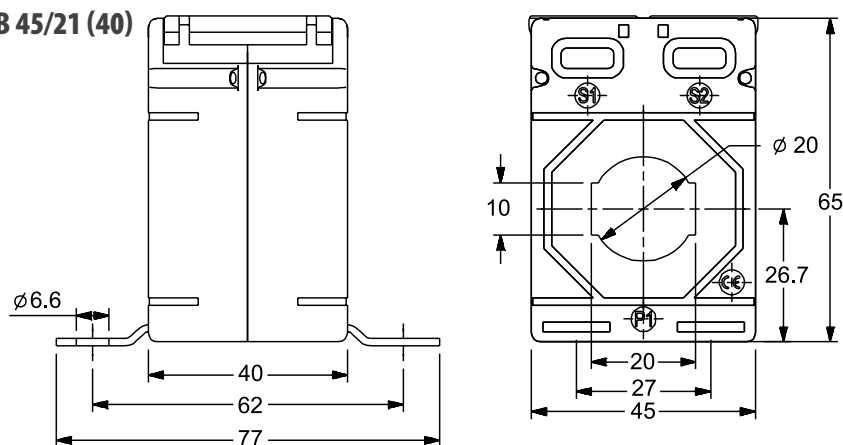
5 A

1 A



## DIMENSIONS

LCTB 45/21 (40)



## ORDERING CODES

LCTB 452140

| Secondary current | Code |
|-------------------|------|
| x/5A              | 5    |
| x/1A              | 1    |

|       | Transformer type | LCTB 45/21(40)     |         |         |      |
|-------|------------------|--------------------|---------|---------|------|
|       | Accuracy class   | 0.5                | 1       | 3       |      |
| Code  | Primary current  | Transformer burden |         |         | Code |
| 0050A | 50 A             | -                  | 1.5 VA  | 2 VA    | 1    |
| 0060A | 60 A             | -                  | 1.5 VA  | 2 VA    |      |
| 0075A | 75 A             | -                  | 2.5 VA  | 3 VA    |      |
| 0080A | 80 A             | 1 VA               | 2.5 VA  | 3 VA    | 5    |
| 0100A | 100 A            | 1.5 VA             | 3.75 VA | 3.75 VA |      |
| 0120A | 120 A            | 1.5 VA             | 3.75 VA | 3.75 VA |      |
| 0125A | 125 A            | 2.5 VA             | 3.75 VA | 5 VA    |      |
| 0150A | 150 A            | 2.5 VA             | 5 VA    | 5 VA    |      |
| 0200A | 200 A            | 3.75 VA            | 5 VA    | 5 VA    |      |
| 0250A | 250 A            | 3.75 VA            | 5 VA    | 7.5 VA  |      |
| 0300A | 300 A            | 5 VA               | 5 VA    | 7.5 VA  |      |
| 0400A | 400 A            | 5 VA               | 5 VA    | 7.5 VA  |      |

**Ordering example:** Order code LCTB 4521400100A55 means the transformer LCTB 45/21(40) 100/5A meeting the requirements of the class:

- kl. 0.5 1.5 VA
- kl. 1 3.75 VA
- kl. 3 3.75 VA

### ACCESSORIES:

DIN rail mounting base

Order code: LH000-0904-130-002

# LCTB 50 - BUSBAR SERIES



INPUT:

40 A  
...  
600 A

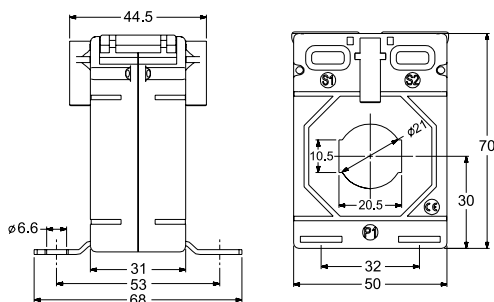
OUTPUTS:

5 A 1 A

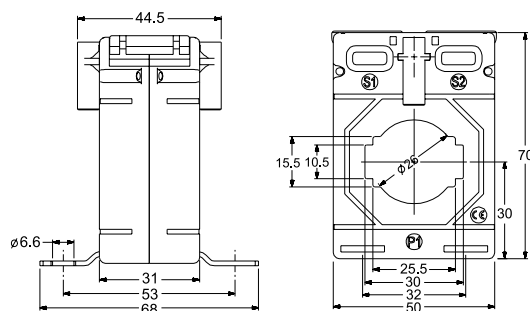
|                   | LCTB 50/21 (30) | LCTB 50/30 (30) | LCTB 50/21 (50) | LCTB 50/30 (50) |
|-------------------|-----------------|-----------------|-----------------|-----------------|
| Hole diameter     | Ø 21 mm         | Ø 26 mm         | Ø 21 mm         | Ø 26 mm         |
| Busbar            | 20 x 10 mm      | 30 x 10 mm      | 20 x 10 mm      | 30 x 10 mm      |
| Depth             | 31 mm           | 31 mm           | 51 mm           | 51 mm           |
| Width             | 50 mm           | 50 mm           | 50 mm           | 50 mm           |
| Primary current   | 40 A...400 A    | 75 A...600 A    | 50 A...400 A    | 50 A... 600 A   |
| Secondary current | 1 A, 5 A        |                 |                 |                 |
| Accuracy class    | 0.5; 1; 3       |                 |                 |                 |

## DIMENSIONS

LCTB 50/21 (30)



LCTB 50/30 (30)



## ORDERING CODES

LCTB 502130

| Secondary current | Code |
|-------------------|------|
| x/5A              | 5    |
| x/1A              | 1    |

| Transformer type |                       | LCTB 50/21 (30)    |         |         |
|------------------|-----------------------|--------------------|---------|---------|
| Accuracy class   |                       | 0.5                | 1       | 3       |
| Code             | Rated primary current | Transformer burden |         |         |
| 0040A            | 40 A                  | -                  | -       | 1 VA    |
| 0050A            | 50 A                  | -                  | 1 VA    | 2 VA    |
| 0060A            | 60 A                  | -                  | 1 VA    | 2 VA    |
| 0075A            | 75 A                  | -                  | 1.5 VA  | 2.5 VA  |
| 0080A            | 80 A                  | 1 VA               | 2.5 VA  | 3.75 VA |
| 0100A            | 100 A                 | 1.5 VA             | 2.5 VA  | 3.75 VA |
| 0120A            | 120 A                 | 2.5 VA             | 2.5 VA  | 3.75 VA |
| 0125A            | 125 A                 | 2.5 VA             | 3.75 VA | 5 VA    |
| 0150A            | 150 A                 | 2.5 VA             | 5 VA    | 5 VA    |
| 0200A            | 200 A                 | 3.75 VA            | 5 VA    | 5 VA    |
| 0250A            | 250 A                 | 5 VA               | 5 VA    | 5 VA    |
| 0300A            | 300 A                 | 5 VA               | 7.5 VA  | 7.5 VA  |
| 0400A            | 400 A                 | 5 VA               | 7.5 VA  | 7.5 VA  |

LCTB 503030

| Secondary current | Code |
|-------------------|------|
| x/5A              | 5    |
| x/1A              | 1    |

| Transformer type |                       | LCTB 50/30 (30)    |         |         |
|------------------|-----------------------|--------------------|---------|---------|
| Accuracy class   |                       | 0.5                | 1       | 3       |
| Code             | Rated primary current | Transformer burden |         |         |
| 0075A            | 75 A                  | -                  | 1 VA    | 1.5 VA  |
| 0080A            | 80 A                  | -                  | 1.5 VA  | 2 VA    |
| 0100A            | 100 A                 | 1 VA               | 2.5 VA  | 2.5 VA  |
| 0120A            | 120 A                 | 1 VA               | 2.5 VA  | 3 VA    |
| 0125A            | 125 A                 | 1 VA               | 2.5 VA  | 3 VA    |
| 0150A            | 150 A                 | 2.5 VA             | 3.75 VA | 3.75 VA |
| 0200A            | 200 A                 | 2.5 VA             | 5 VA    | 5 VA    |
| 0250A            | 250 A                 | 5 VA               | 5 VA    | 6.25 VA |
| 0300A            | 300 A                 | 5 VA               | 5 VA    | 6.25 VA |
| 0400A            | 400 A                 | 5 VA               | 5 VA *  | 6.25 VA |
| 0500A            | 500 A                 | 5 VA               | 6.25 VA | 7.5 VA  |
| 0600A            | 600 A                 | 5 VA               | 7.5 VA  | 10 VA   |

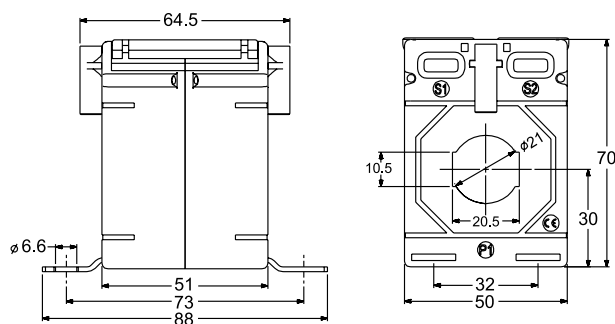
**Ordering example:** Order code LCTB 5021300100A55 means the transformer LCTB 50/21(30) 100/5A meeting the requirements of the class: kl. 0.5 1.5 VA; kl. 1 2.5 VA; kl. 3 3.75 VA

\* The custom value of the nominal power, which should be given when ordering the transformer.

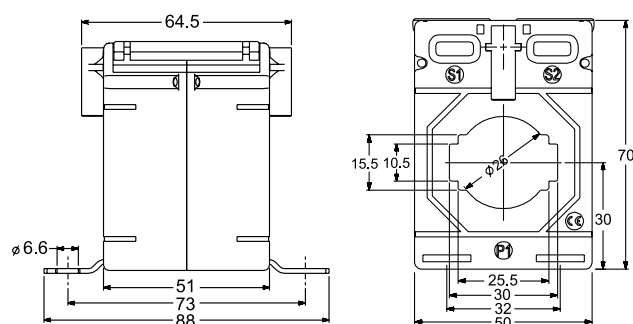
# LCTB 50 - BUSBAR SERIES

## DIMENSIONS

LCTB50/21 (50)



LCTB 50/30 (50)



## ORDERING CODES

LCTB 502150

Secondary current

x/5A

x/1A

Code

5

1

| Transformer type | LCTB 50/21 (50) |   |   |
|------------------|-----------------|---|---|
| Accuracy class   | 0.5             | 1 | 3 |

| Code  | Rated primary current | Transformer burden |         |         | Code |
|-------|-----------------------|--------------------|---------|---------|------|
| 0050A | 50 A                  | 1 VA               | 2.5 VA  | 3 VA    | 5    |
| 0060A | 60 A                  | 1 VA               | 2.5 VA  | 3.75 VA |      |
| 0075A | 75 A                  | 1.5 VA             | 2.5 VA  | 3.75 VA |      |
| 0080A | 80 A                  | 2.5 VA             | 5 VA    | 5 VA    |      |
| 0100A | 100 A                 | 2.5 VA             | 5 VA    | 7.5 VA  |      |
| 0120A | 120 A                 | 3.75 VA            | 5 VA    | 7.5 VA  |      |
| 0125A | 125 A                 | 5 VA               | 5 VA    | 7.5 VA  |      |
| 0150A | 150 A                 | 5 VA               | 10 VA   | 10 VA   |      |
| 0200A | 200 A                 | 7.5 VA             | 10 VA   | 12.5 VA |      |
| 0250A | 250 A                 | 7.5 VA             | 10 VA   | 15 VA   |      |
| 0300A | 300 A                 | 7.5 VA             | 12.5 VA | 15 VA   | 5    |
| 0400A | 400 A                 | 10 VA              | 15 VA   | 15 VA   |      |

LCTB 503050

Secondary current

x/5A

x/1A

Code

5

1

| Transformer type | LCTB 50/30 (50) |   |   |
|------------------|-----------------|---|---|
| Accuracy class   | 0.5             | 1 | 3 |

| Code  | Rated primary current | Transformer burden |         |         | Code |
|-------|-----------------------|--------------------|---------|---------|------|
| 0050A | 50 A                  | -                  | 1.5 VA  | 1.5 VA  | 1    |
| 0060A | 60 A                  | -                  | 1.5 VA  | 2 VA    |      |
| 0075A | 75 A                  | -                  | 2.5 VA  | 2.5 VA  |      |
| 0080A | 80 A                  | -                  | 2.5 VA  | 3.75 VA |      |
| 0100A | 100 A                 | 1 VA               | 3.75 VA | 3.75 VA | 5    |
| 0120A | 120 A                 | 2.5 VA             | 5 VA    | 5 VA    |      |
| 0125A | 125 A                 | 2.5 VA             | 5 VA    | 5 VA    |      |
| 0150A | 150 A                 | 5 VA               | 5 VA    | 7.5 VA  |      |
| 0200A | 200 A                 | 5 VA               | 7.5 VA  | 10 VA   |      |
| 0250A | 250 A                 | 5 VA               | 10 VA   | 10 VA   |      |
| 0300A | 300 A                 | 5 VA               | 10 VA   | 10 VA   |      |
| 0400A | 400 A                 | 10 VA              | 12.5 VA | 12.5 VA |      |
| 0500A | 500 A                 | 10 VA              | 12.5 VA | 15 VA   |      |
| 0600A | 600 A                 | 10 VA              | 15 VA   | 15 VA   |      |

**Ordering example:** Order code LCTB 5021500100A55 means the transformer LCTB 50/21(50) 100/5A meeting the requirements of the class:

- kl. 0.5 2.5 VA
- kl. 1 5 VA
- kl. 3 7.5 VA

### ACCESSORIES:

DIN rail mounting base  
- for details see page 46

# LCTB 62 - BUSBAR SERIES



INPUT:

40 A  
...  
800 A

OUTPUTS:

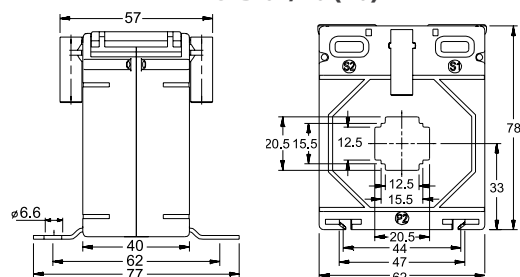
5 A

1 A

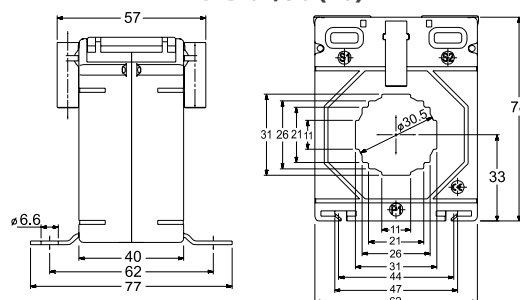
|                   | LCTB 62/20 (40)            | LCTB 62/30 (40)          | LCTB 62/30 (50) | LCTB 62/40 (40)             |
|-------------------|----------------------------|--------------------------|-----------------|-----------------------------|
| Hole diameter     | -                          | Ø 30 mm                  | Ø 28 mm         | Ø 31 mm                     |
| Busbar            | 20x12 mm                   | 30x10 mm,<br>2x25 x10 mm | 30x10 mm        | 40x10 mm,<br>2 x 30 x 10 mm |
| Depth             | 40 mm                      | 40 mm                    | 50 mm           | 40 mm                       |
| Width             | 62 mm                      | 62 mm                    | 62 mm           | 62 mm                       |
| Primary current   | 50 A...400 A               | 50 A...800 A             | 40 A...800 A    | 100 A...800 A               |
| Secondary current | 1 A, 5 A                   |                          |                 |                             |
| Accuracy class    | 0.2S; 0.2; 0.5S; 0.5; 1; 3 |                          |                 |                             |

## DIMENSIONS

LCTB 62/20 (40)



LCTB 62/30 (40)



## ORDERING CODES

LCTB 622040

LCTB 623040

| Secondary current | Code |
|-------------------|------|
| x/5A              | 5    |
| x/1A              | 1    |

| Secondary current | Code |
|-------------------|------|
| x/5A              | 5    |
| x/1A              | 1    |

| Transformer type | LCTB 62/20 (40) |     |      |     |   |   |
|------------------|-----------------|-----|------|-----|---|---|
| Accuracy class   | 0.2S            | 0.2 | 0.5S | 0.5 | 1 | 3 |
| Code             | S               | 2   | R    |     |   |   |

| Transformer type | LCTB 62/30 (40) |     |      |     |   |   |
|------------------|-----------------|-----|------|-----|---|---|
| Accuracy class   | 0.2S            | 0.2 | 0.5S | 0.5 | 1 | 3 |
| Code             | S               | 2   | R    |     |   |   |

| Code  | Rated primary current | Transformer burden |        |         |         |         |         | Code |
|-------|-----------------------|--------------------|--------|---------|---------|---------|---------|------|
| 0050A | 50 A                  | -                  | -      | -       | -       | 1.5 VA  | 2.5 VA  | 1    |
| 0060A | 60 A                  | -                  | -      | -       | -       | 2.5 VA  | 3.75 VA |      |
| 0075A | 75 A                  | -                  | -      | -       | 1.5 VA  | 3.75 VA | 3.75 VA |      |
| 0080A | 80 A                  | -                  | -      | -       | 2.5 VA  | 3.75 VA | 3.75 VA |      |
| 0100A | 100 A                 | 1.5 VA             | 1.5 VA | 1.5 VA  | 2.5 VA  | 5 VA    | 7.5 VA  | 5    |
| 0120A | 120 A                 | 1.5 VA             | 1.5 VA | 1.5 VA  | 3.75 VA | 5 VA    | 7.5 VA  |      |
| 0125A | 125 A                 | 1.5 VA             | 1.5 VA | 1.5 VA  | 3.75 VA | 5 VA    | 7.5 VA  |      |
| 0150A | 150 A                 | 2 VA               | 2.5 VA | 2.0 VA  | 5 VA    | 7.5 VA  | 10 VA   |      |
| 0200A | 200 A                 | 3.75 VA            | 5 VA   | 3.75 VA | 7.5 VA  | 10 VA   | 12.5 VA |      |
| 0250A | 250 A                 | 3.75 VA            | 5 VA   | 3.75 VA | 10 VA   | 15 VA   | 15 VA   |      |
| 0300A | 300 A                 | 3.75 VA            | 5 VA   | 3.75 VA | 10 VA   | 15 VA   | 15 VA   |      |
| 0400A | 400 A                 | 5 VA               | 7.5 VA | 5 VA    | 15 VA   | 15 VA   | 20 VA   |      |

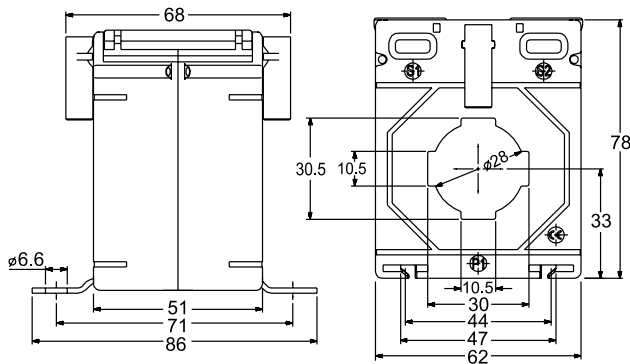
| Code  | Rated primary current | Transformer burden |         |        |         |         |         | Code |
|-------|-----------------------|--------------------|---------|--------|---------|---------|---------|------|
| 0050A | 50 A                  | -                  | -       | -      | -       | 1.25 VA | 2 VA    | 1    |
| 0060A | 60 A                  | -                  | -       | -      | -       | 1.5 VA  | 2 VA    |      |
| 0075A | 75 A                  | -                  | -       | -      | -       | 1.5 VA  | 2 VA    |      |
| 0080A | 80 A                  | -                  | -       | -      | -       | 2 VA    | 2.5 VA  |      |
| 0100A | 100 A                 | 1 VA               | 1 VA    | 1 VA   | 1.5 VA  | 2.5 VA  | 3.75 VA | 5    |
| 0120A | 120 A                 | 1 VA               | 1 VA    | 1 VA   | 2.5 VA  | 3.75 VA | 5 VA    |      |
| 0125A | 125 A                 | 1 VA               | 1 VA    | 1 VA   | 2.5 VA  | 3.75 VA | 5 VA    |      |
| 0150A | 150 A                 | 2.5 VA             | 1.5 VA  | 2.5 VA | 3.75 VA | 5 VA    | 7.5 VA  |      |
| 0200A | 200 A                 | 5 VA               | 2.5 VA  | 5 VA   | 5 VA    | 7.5 VA  | 10 VA   |      |
| 0250A | 250 A                 | 5 VA               | 3.75 VA | 5 VA   | 5 VA    | 10 VA   | 15 VA   |      |
| 0300A | 300 A                 | 5 VA               | 3.75 VA | 5 VA   | 5 VA    | 10 VA   | 15 VA   |      |
| 0400A | 400 A                 | 5 VA               | 5 VA    | 5 VA   | 7.5 VA  | 12.5 VA | 15 VA   |      |
| 0500A | 500 A                 | 5 VA               | 7.5 VA  | 5 VA   | 10 VA   | 12.5 VA | 15 VA   |      |
| 0600A | 600 A                 | 7.5 VA             | 7.5 VA  | 10 VA  | 15 VA   | 15 VA   | 20 VA   |      |
| 0750A | 750 A                 | 10 VA              | 10 VA   | 10 VA  | 15 VA   | 15 VA   | 20 VA   |      |
| 0800A | 800 A                 | 10 VA              | 10 VA   | 10 VA  | 15 VA   | 15 VA   | 20 VA   |      |

Ordering example: Order code LCTB 6220400100A55 means the transformer LCTB 62/20(40) 100/5A meeting the requirements of the class: kl. 0.5 - 2.5 VA; kl. 1 - 5 VA; kl. 3 - 7.5 VA

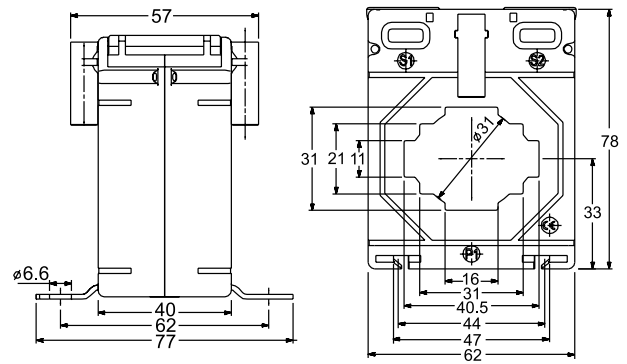
# LCTB 62 - BUSBAR SERIES

## DIMENSIONS

LCTB 62/30 (50)



LCTB 62/40 (40)



## ORDERING CODES

LCTB 623050

Secondary current

Code

x/5A

5

x/1A

1

| Transformer type | LCTB 62/30 (50) |     |      |     |   |   |
|------------------|-----------------|-----|------|-----|---|---|
| Accuracy class   | 0.2S            | 0.2 | 0.5S | 0.5 | 1 | 3 |
| Code             | S               | 2   | R    |     |   |   |

LCTB 624040

Secondary current

Code

x/5A

5

x/1A

1

| Transformer type | LCTB 62/40 (40) |     |      |     |   |   |
|------------------|-----------------|-----|------|-----|---|---|
| Accuracy class   | 0.2S            | 0.2 | 0.5S | 0.5 | 1 | 3 |
| Code             | S               | 2   | R    |     |   |   |

| Code  | Rated primary current | Transformer burden |         |         |        |         |         | Code |
|-------|-----------------------|--------------------|---------|---------|--------|---------|---------|------|
| 0040A | 40 A                  | -                  | -       | -       | -      | -       | 1 VA    | 3    |
| 0050A | 50 A                  | -                  | -       | -       | -      | 1.5 VA  | 2.5 VA  | 1    |
| 0060A | 60 A                  | -                  | -       | -       | -      | 2.5 VA  | 3.75 VA |      |
| 0075A | 75 A                  | -                  | -       | -       | 2.5 VA | 2.5 VA  | 3.75 VA |      |
| 0080A | 80 A                  | -                  | -       | -       | 2.5 VA | 3.75 VA | 5 VA    |      |
| 0100A | 100 A                 | 1.25 VA            | 1.25 VA | 1.25 VA | 2.5 VA | 5 VA    | 7.5 VA  | 5    |
| 0120A | 120 A                 | 1.25 VA            | 1.25 VA | 1.25 VA | 5 VA   | 5 VA    | 7.5 VA  |      |
| 0125A | 125 A                 | 1.25 VA            | 1.25 VA | 1.25 VA | 5 VA   | 5 VA    | 7.5 VA  |      |
| 0150A | 150 A                 | 2 VA               | 2 VA    | 2 VA    | 5 VA   | 7.5 VA  | 10 VA   |      |
| 0200A | 200 A                 | 5 VA               | 3.75 VA | 5 VA    | 10 VA  | 15 VA   | 15 VA   |      |
| 0250A | 250 A                 | 5 VA               | 5 VA    | 5 VA    | 15 VA  | 15 VA   | 20 VA   |      |
| 0300A | 300 A                 | 5 VA               | 5 VA    | 5 VA    | 15 VA  | 15 VA   | 20 VA   |      |
| 0400A | 400 A                 | 10 VA              | 6.25 VA | 10 VA   | 15 VA  | 30 VA   | 30 VA   |      |
| 0500A | 500 A                 | 5 VA               | 7.5 VA  | 5 VA    | 15 VA  | 30 VA   | 30 VA   |      |
| 0600A | 600 A                 | 6.25 VA            | 10 VA   | 6.25 VA | 20 VA  | 30 VA   | 30 VA   |      |
| 0750A | 750 A                 | 6.25 VA            | 10 VA   | 6.25 VA | 20 VA  | 30 VA   | 30 VA   |      |
| 0800A | 800 A                 | 6.25 VA            | 10 VA   | 6.25 VA | 20 VA  | 30 VA   | 35 VA   |      |

| Code  | Rated primary current | Transformer burden |        |         |        |         |         | Code  |
|-------|-----------------------|--------------------|--------|---------|--------|---------|---------|-------|
| 0100A | 100 A                 | -                  | -      | -       | -      | 1 VA    | 1.5 VA  |       |
| 0120A | 120 A                 | -                  | -      | -       | -      | 1.5 VA  | 2.5 VA  | 1     |
| 0125A | 125 A                 | -                  | -      | -       | -      | 1.5 VA  | 2.5 VA  |       |
| 0150A | 150 A                 | -                  | -      | -       | -      | 2.5 VA  | 3 VA    |       |
| 0200A | 200 A                 | 1 VA               | 1 VA   | 1 VA    | 1.5 VA | 3.75 VA | 3.75 VA |       |
| 0250A | 250 A                 | 1.5 VA             | 1.5 VA | 1.5 VA  | 2.5 VA | 5 VA    | 5 VA    |       |
| 0300A | 300 A                 | 1.5 VA             | 1.5 VA | 1.5 VA  | 5 VA   | 5 VA    | 5 VA    |       |
| 0400A | 400 A                 | 2.5 VA             | 2.5 VA | 2.5 VA  | 5 VA   | 5 VA    | 7.5 VA  | 5     |
| 0500A | 500 A                 | 2.5 VA             | 5 VA   | 3.75 VA | 5 VA   | 5 VA*   | 7.5 VA  | 10 VA |
| 0600A | 600 A                 | 2.5 VA             | 7.5 VA | 5 VA    | 7.5 VA | 10 VA   | 12.5 VA |       |
| 0750A | 750 A                 | 5 VA               | 10 VA  | 5 VA    | 10 VA  | 10 VA   | 12.5 VA |       |
| 0800A | 800 A                 | 5 VA               | 10 VA  | 5 VA    | 10 VA  | 10 VA   | 12.5 VA |       |

\* The custom value of the nominal power, which should be given when ordering the transformer.

**Ordering example:** Order code LCTB 6230500100A55 means the transformer LCTB 62/30(50) 100/5A meeting the requirements of the class:

- kl. 0.5 2.5 VA
- kl. 1 5 VA
- kl. 3 7.5 VA

## ACCESSORIES:

DIN rail mounting base  
- for details see page 46

# LCTB 74 - BUSBAR SERIES



INPUT:

**30 A**  
...  
**1000 A**

OUTPUTS:

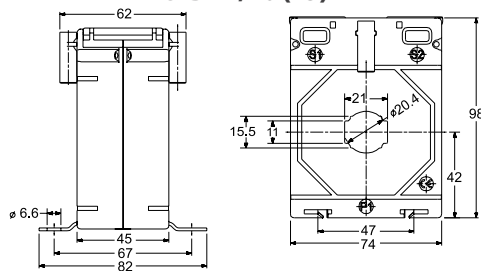
**5 A**

**1 A**

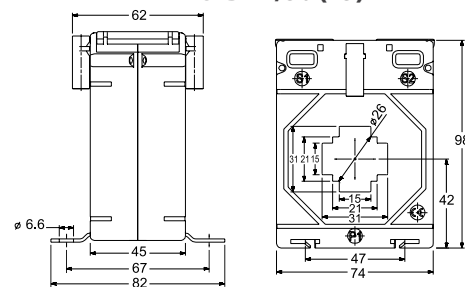
|                   | LCTB 74/20 (45)            | LCTB 74/30 (45)         | LCTB 74/40 (45)          | LCTB 74/50 (45)          |
|-------------------|----------------------------|-------------------------|--------------------------|--------------------------|
| Hole diameter     | Ø 20 mm                    | Ø26 mm                  | Ø35 mm                   | Ø 41 mm                  |
| Busbar            | 20x10 mm                   | 30x15 mm,<br>2x20x10 mm | 40x12 mm,<br>2x30 x15 mm | 50x12 mm,<br>2 x40x10 mm |
| Depth             | 45 mm                      | 45 mm                   | 45 mm                    | 45 mm                    |
| Width             | 74 mm                      | 74 mm                   | 74 mm                    | 74 mm                    |
| Primary current   | 30 A...400 A               | 30 A...800 A            | 40 A...1000 A            | 100 A...1000 A           |
| Secondary current | 1 A, 5 A                   |                         |                          |                          |
| Accuracy class    | 0.2S; 0.2; 0.5S; 0.5; 1; 3 |                         |                          |                          |

## DIMENSIONS

LCTB 74/20 (45)



LCTB 74/30 (45)



## ORDERING CODES

LCTB 742045

LCTB 743045

LCTB 742045

Secondary current

Code

x/5A

5

x/1A

1

Transformer type

LCTB 74/20 (45)

Accuracy class

0.2S

0.2

0.5S

0.5

1

3

Code

S

2

R

-

-

-

| Code  | Rated primary current | Transformer burden |        |        |        |         |         | Code |
|-------|-----------------------|--------------------|--------|--------|--------|---------|---------|------|
| 0030A | 30 A                  | -                  | -      | -      | -      | -       | 1.5 VA  | 3    |
| 0040A | 40 A                  | -                  | -      | -      | -      | 1.5 VA  | 2 VA    | 1    |
| 0050A | 50 A                  | -                  | -      | -      | -      | 2.5 VA  | 3.75 VA |      |
| 0060A | 60 A                  | -                  | -      | -      | -      | 3.75 VA | 5 VA    |      |
| 0075A | 75 A                  | -                  | -      | -      | 1.5 VA | 5 VA    | 7.5 VA  | 5    |
| 0080A | 80 A                  | -                  | -      | -      | 1.5 VA | 5 VA    | 7.5 VA  |      |
| 0100A | 100 A                 | 1.5 VA             | 1.5 VA | 1.5 VA | 5 VA   | 7.5 VA  | 10 VA   |      |
| 0120A | 120 A                 | 1.5 VA             | 1.5 VA | 1.5 VA | 5 VA   | 10 VA   | 12.5 VA |      |
| 0125A | 125 A                 | 1.5 VA             | 1.5 VA | 1.5 VA | 5 VA   | 10 VA   | 12.5 VA |      |
| 0150A | 150 A                 | 2.5 VA             | 2.5 VA | 2.5 VA | 7.5 VA | 12.5 VA | 15 VA   |      |
| 0200A | 200 A                 | 5 VA               | 5 VA   | 5 VA   | 10 VA  | 15 VA   | 20 VA   |      |
| 0250A | 250 A                 | 5 VA               | 5 VA   | 5 VA   | 10 VA  | 15 VA   | 20 VA   |      |
| 0300A | 300 A                 | 5 VA               | 7.5 VA | 5 VA   | 15 VA  | 15 VA   | 20 VA   |      |
| 0400A | 400 A                 | 5 VA               | 10 VA  | 5 VA   | 15 VA  | 20 VA   | 25 VA   |      |

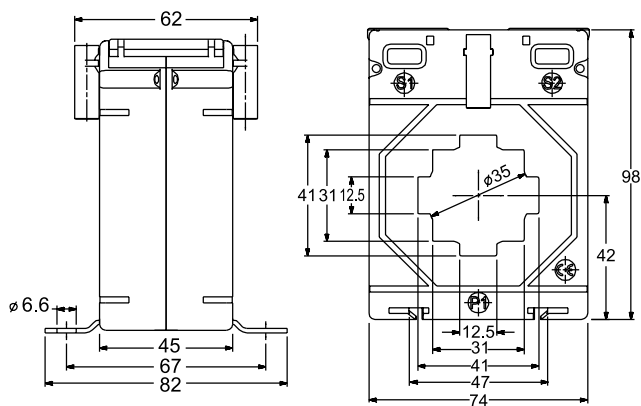
|                   |                       |                    |        |        |        |         |         |                                                                                          |
|-------------------|-----------------------|--------------------|--------|--------|--------|---------|---------|------------------------------------------------------------------------------------------|
| LCTB 743045       |                       |                    |        |        |        |         |         | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> |
| Secondary current |                       | Code               |        |        |        |         |         |                                                                                          |
| x/5A              |                       | 5                  |        |        |        |         |         |                                                                                          |
| x/1A              |                       | 1                  |        |        |        |         |         |                                                                                          |
| Transformer type  | LCTB 74/30 (45)       |                    |        |        |        |         |         |                                                                                          |
| Accuracy class    | 0.2S                  | 0.2                | 0.5S   | 0.5    | 1      | 3       |         |                                                                                          |
| Code              | S                     | 2                  | R      | -      | -      | -       |         |                                                                                          |
| Code              | Rated primary current | Transformer burden |        |        |        |         | Code    |                                                                                          |
| 0030A             | 30 A                  | -                  | -      | -      | -      | -       | 1 VA3   |                                                                                          |
| 0040A             | 40 A                  | -                  | -      | -      | -      | 1.5 VA  | 1.5 VA  |                                                                                          |
| 0050A             | 50 A                  | -                  | -      | -      | -      | 1.5 VA  | 2.5 VA  |                                                                                          |
| 0060A             | 60 A                  | -                  | -      | -      | -      | 2.5 VA  | 3.75VA  |                                                                                          |
| 0075A             | 75 A                  | -                  | -      | -      | 1.5 VA | 2.5 VA  | 3.75 VA |                                                                                          |
| 0080A             | 80 A                  | -                  | -      | -      | 1.5 VA | 3.75 VA | 5 VA    |                                                                                          |
| 0100A             | 100 A                 | 1.5 VA             | 1.5 VA | 1.5 VA | 2.5VA  | 5 VA    | 7.5 VA  |                                                                                          |
| 0120A             | 120 A                 | 1.5 VA             | 1.5 VA | 1.5 VA | 2.5VA  | 5 VA    | 7.5 VA  |                                                                                          |
| 0125A             | 125 A                 | 1.5 VA             | 1.5 VA | 1.5 VA | 2.5VA  | 5 VA    | 7.5 VA  |                                                                                          |
| 0150A             | 150 A                 | 1.5 VA             | 1.5 VA | 1.5 VA | 5 VA   | 7.5 VA  | 10 VA   |                                                                                          |
| 0200A             | 200 A                 | 2.5 VA             | 2.5VA  | 2.5 VA | 10 VA  | 15 VA   | 15 VA   |                                                                                          |
| 0250A             | 250 A                 | 2.5 VA             | 2.5 VA | 2.5 VA | 10 VA  | 15 VA   | 15 VA   |                                                                                          |
| 0300A             | 300 A                 | 2.5 VA             | 5 VA   | 2.5 VA | 10 VA  | 15 VA   | 15 VA   |                                                                                          |
| 0400A             | 400 A                 | 5 VA               | 7.5VA  | 5 VA   | 15 VA  | 20 VA   | 25 VA   |                                                                                          |
| 0500A             | 500 A                 | 5 VA               | 10 VA  | 5 VA   | 15 VA  | 20 VA   | 25 VA   |                                                                                          |
| 0600A             | 600 A                 | 5 VA               | 15 VA  | 5 VA   | 15 VA  | 20 VA   | 25 VA   |                                                                                          |
| 0750A             | 750 A                 | 7.5 VA             | 20 VA  | 7.5 VA | 20 VA  | 30 VA   | 30 VA   |                                                                                          |
| 0800A             | 800 A                 | 10 VA              | 30 VA  | 10 VA  | 30 VA  | 30 VA   | 35 VA   |                                                                                          |

Ordering example: Order code LCTB 7420450100A55 means the transformer LCTB 74/20(45) 100/5A meeting the requirements of the class: kl. 0.5 - 5 VA; kl. 1 - 7.5 VA; kl. 3 - 10 VA

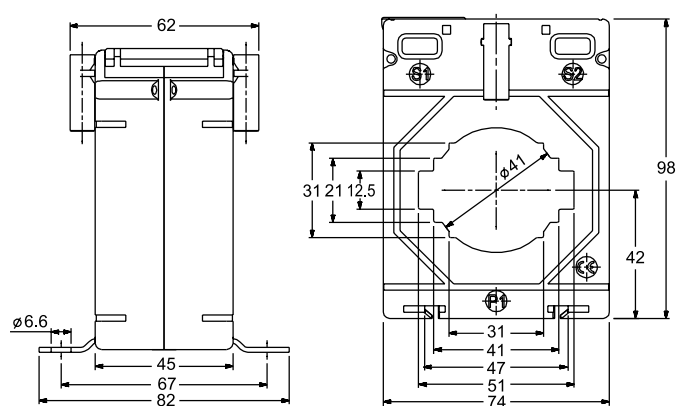
# LCTB 74 - BUSBAR SERIES

## DIMENSIONS

LCTB 74/40 (45)



LCTB 74/50 (45)



## ORDERING CODES

LCTB 744045

Secondary current

Code

x/5A

5

x/1A

1

Transformer type

LCTB 74/40 (45)

Accuracy class

0.25

0.2

0.5S

0.5

1

3

Code

S

2

R

LCTB 745045

Secondary current

Code

x/5A

5

x/1A

1

Transformer type

LCTB 74/50 (45)

Accuracy class

0.25

0.2

0.5S

0.5

1

3

Code

S

2

R

| Code  | Rated primary current | Transformer burden |        |        |         |         |         | Code |
|-------|-----------------------|--------------------|--------|--------|---------|---------|---------|------|
| 0040A | 40 A                  | -                  | -      | -      | -       | 1 VA    | 1 VA    | 1    |
| 0050A | 50 A                  | -                  | -      | -      | -       | 1 VA    | 1.5 VA  |      |
| 0060A | 60 A                  | -                  | -      | -      | -       | 1 VA    | 1.5 VA  |      |
| 0075A | 75 A                  | -                  | -      | -      | -       | 1.5 VA  | 2.5 VA  |      |
| 0080A | 80 A                  | -                  | -      | -      | -       | 1.5 VA  | 2.5 VA  |      |
| 0100A | 100 A                 | -                  | -      | -      | 1.5 VA  | 2.5 VA  | 3.75 VA |      |
| 0120A | 120 A                 | -                  | -      | -      | 1.5 VA  | 2.5 VA  | 3.75 VA | 5    |
| 0125A | 125 A                 | -                  | -      | -      | 1.5 VA  | 2.5 VA  | 3.75 VA |      |
| 0150A | 150 A                 | -                  | -      | -      | 2.5 VA  | 3.75 VA | 5 VA    |      |
| 0200A | 200 A                 | 2.5 VA             | 2.5 VA | 2.5 VA | 3.75 VA | 5 VA    | 7.5 VA  |      |
| 0250A | 250 A                 | 5 VA               | 2.5 VA | 5 VA   | 5 VA    | 7.5 VA  | 10 VA   |      |
| 0300A | 300 A                 | 5 VA               | 2.5 VA | 5 VA   | 5 VA    | 7.5 VA  | 10 VA   |      |
| 0400A | 400 A                 | 5 VA               | 5 VA   | 5 VA   | 5 VA*   | 7.5 VA  | 12.5 VA | 5    |
| 0500A | 500 A                 | 5 VA               | 7.5 VA | 5 VA   | 10 VA   | 15 VA   | 15 VA   |      |
| 0600A | 600 A                 | 5 VA               | 10 VA  | 5 VA   | 15 VA   | 20 VA   | 20 VA   |      |
| 0750A | 750 A                 | 5 VA               | 10 VA  | 5 VA   | 15 VA   | 20 VA   | 20 VA   |      |
| 0800A | 800 A                 | 7.5 VA             | 15 VA  | 7.5 VA | 15 VA   | 20 VA   | 25 VA   |      |
| 1000A | 1000 A                | 10 VA              | 15 VA  | 10 VA  | 15 VA   | 20 VA   | 25 VA   |      |

| Code  | Rated primary current | Transformer burden |        |        |         |         |         | Code |
|-------|-----------------------|--------------------|--------|--------|---------|---------|---------|------|
| 0100A | 100 A                 | -                  | -      | -      | -       | 1.5 VA  | 2 VA    | 1    |
| 0120A | 120 A                 | -                  | -      | -      | -       | 1.5 VA  | 2.5 VA  |      |
| 0125A | 125 A                 | -                  | -      | -      | -       | 1.5 VA  | 2.5 VA  |      |
| 0150A | 150 A                 | -                  | -      | -      | -       | 2.5 VA  | 3.75 VA |      |
| 0200A | 200 A                 | -                  | -      | -      | 1.5 VA  | 3.75 VA | 5 VA    |      |
| 0250A | 250 A                 | 1.5 VA             | 1.5 VA | 1.5 VA | 2.5 VA  | 5 VA    | 7.5 VA  |      |
| 0300A | 300 A                 | 1.5 VA             | 1.5 VA | 1.5 VA | 5 VA    | 7.5 VA  | 7.5 VA  | 5    |
| 0400A | 400 A                 | 2.5 VA             | 2.5 VA | 2.5 VA | 5 VA    | 7.5 VA  | 10 VA   |      |
| 0500A | 500 A                 | 5 VA               | 5 VA   | 5 VA   | 7.5 VA  | 10 VA   | 12.5 VA |      |
| 0600A | 600 A                 | 5 VA               | 5 VA*  | 7.5 VA | 5 VA    | 10 VA   | 12.5 VA |      |
| 0750A | 750 A                 | 5 VA               | 10 VA  | 5 VA   | 12.5 VA | 15 VA   | 20 VA   |      |
| 0800A | 800 A                 | 5 VA               | 10 VA  | 5 VA   | 12.5 VA | 15 VA   | 20 VA   |      |
| 1000A | 1000 A                | 5 VA               | 10 VA  | 5 VA   | 12.5 VA | 15 VA   | 20 VA   |      |

\* The custom value of the nominal power, which should be given when ordering the transformer.

\* The custom value of the nominal power, which should be given when ordering the transformer.

**Ordering example:** Order code LCTB 7450450300A55 means the transformer LCTB 74/50(45) 300/5A meeting the requirements of the class: kl. 0.5 - 5 VA; kl. 1 - 7.5 VA; kl. 3 - 7.5 VA

### ACCESSORIES:

DIN rail mounting base

Order code: LH000-0904-130-124

# LCTB 86 - BUSBAR SERIES



INPUT:

50 A

...  
1600 A

OUTPUTS:

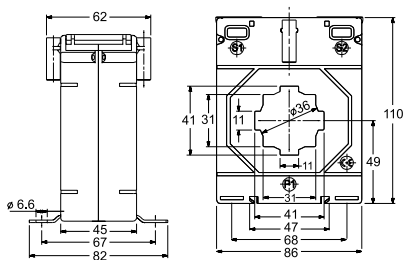
5 A

1 A

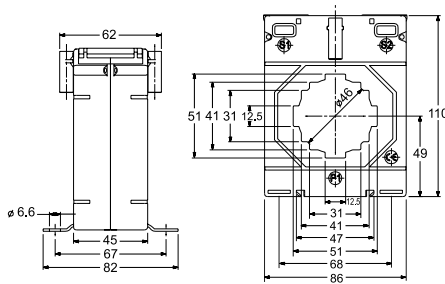
|                   | LCTB 86/40 (45)            | LCTB 86/50 (45)               | LCTB 86/60 (45)               |
|-------------------|----------------------------|-------------------------------|-------------------------------|
| Hole diameter     | Ø 36 mm                    | Ø 46 mm                       | Ø 51 mm                       |
| Busbar            | 40 x 10 mm,<br>2x30x15mm   | 50 x 12 mm,<br>2 x 40 x 15 mm | 60 x 12 mm,<br>2 x 50 x 15 mm |
| Depth             | 45 mm                      | 45 mm                         | 45 mm                         |
| Width             | 86 mm                      | 86 mm                         | 86 mm                         |
| Primary current   | 50 A...1000 A              | 100 A...1250 A                | 100 A...1600 A                |
| Secondary current | 1 A, 5 A                   |                               |                               |
| Accuracy class    | 0.25; 0.2; 0.55; 0.5; 1; 3 |                               |                               |

## DIMENSIONS

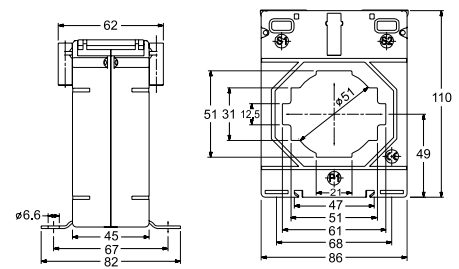
LCTB 86/40 (45)



LCTB 86/50 (45)



LCTB 86/60 (45)



## ORDERING CODES

LCTB 864045

Secondary current

Code

x/5A

5

x/1A

1

Transformer type

LCTB 86/40 (45)

Accuracy class

0.25

0.2

0.55

0.5

1

3

Code

S

2

R

-

-

-

Code

Primary current

Transformer burden

Code

0050A

50 A

-

-

-

-

1.5 VA

1.5 VA

0060A

60 A

-

-

-

-

1.5 VA

2 VA

0075A

75 A

-

-

-

-

2.5 VA

3.75 VA

0080A

80 A

-

-

-

-

2.5 VA

3.75 VA

0100A

100 A

1.5 VA

1.5 VA

1.5 VA

1.5 VA

3.75 VA

5 VA

0120A

120 A

1.5 VA

1.5 VA

1.5 VA

2.5 VA

5 VA

7.5 VA

0125A

125 A

1.5 VA

1.5 VA

1.5 VA

2.5 VA

5 VA

7.5 VA

0150A

150 A

2.5 VA

2.5 VA

2.5 VA

3.75 VA

5 VA

7.5 VA

0200A

200 A

5 VA

2.5 VA

2.5 VA

5 VA

7.5 VA

10 VA

0250A

250 A

10 VA

3.75 VA

3.75 VA

7.5 VA

12.5 VA

15 VA

0300A

300 A

10 VA

5 VA

10 VA

10 VA

15 VA

20 VA

0400A

400 A

10 VA

7.5 VA

7.5 VA

15 VA

20 VA

25 VA

0500A

500 A

5 VA

10 VA

10 VA

20 VA

30 VA

35 VA

0600A

600 A

7.5 VA

15 VA

15 VA

30 VA

30 VA

35 VA

0750A

750 A

7.5 VA

15 VA

15 VA

30 VA

30 VA

35 VA

0800A

800 A

10 VA

15 VA

15 VA

30 VA

30 VA

35 VA

1000A

1000 A

10 VA

15 VA

15 VA

30 VA

30 VA

35 VA

1

5

**Ordering example:** Order code LCTB 8640450100A55 means the transformer LCTB 86/40(45) 100/5A meeting the requirements of the class:

- kl. 0.5    1.5 VA
- kl. 1      3.75 VA



# LCTB 86 - BUSBAR SERIES

## ORDERING CODES

LCTB 865045

Secondary current

Code

x/5A

5

x/1A

1

Transformer type

LCTB 86/50 (45)

Accuracy class

0.2S

0.2

0.5S

0.5

1

3

Code

S

2

R

-

-

-

Code

Primary current

Transformer burden

Code

0100A

100 A

-

-

-

-

1.5 VA

2.5 VA

1

0120A

120 A

-

-

-

1.5 VA

2.5 VA

3.75 VA

0125A

125 A

-

-

-

1.5 VA

2.5 VA

3.75 VA

0150A

150 A

-

-

-

2.5 VA

5 VA

7.5 VA

0200A

200 A

-

-

-

5 VA

7.5 VA

10 VA

0250A

250 A

-

-

-

7.5 VA

10 VA

12.5 VA

0300A

300 A

5 VA

1.5 VA

5 VA

7.5 VA

10 VA

15 VA

0400A

400 A

7.5 VA

2.5 VA

7.5 VA

15 VA

15 VA

20 VA

0500A

500 A

7.5 VA

5 VA

7.5 VA

15 VA

20 VA

20 VA

0600A

600 A

10 VA

7.5 VA

10 VA

15 VA

20 VA

20 VA

0750A

750 A

7.5 VA

10 VA

7.5 VA

15 VA

20 VA

25 VA

0800A

800 A

10 VA

12.5 VA

10 VA

20 VA

30 VA

30 VA

1000A

1000 A

12.5 VA

20 VA

12.5 VA

30 VA

30 VA

35 VA

1200A

1200 A

12.5 VA

20 VA

12.5 VA

30 VA

30 VA

35 VA

1250A

1250 A

12.5 VA

20 VA

12.5 VA

30 VA

30 VA

35 VA

5

LCTB 866045

Secondary current

Code

x/5A

5

x/1A

1

Transformer type

LCTB 86/60 (45)

Accuracy class

0.2S

0.2

0.5S

0.5

1

3

Code

S

2

R

-

-

-

Code

Primary current

Transformer burden

Code

0100A

100 A

-

-

-

-

1 VA

1.5 VA

1

0120A

120 A

-

-

-

-

1.5 VA

2.5 VA

0125A

125 A

-

-

-

-

2.5 VA

3.75 VA

0150A

150 A

-

-

-

-

2.5 VA

3.75 VA

0200A

200 A

-

-

-

1.5 VA

3.75 VA

5 VA

5

0250A

250 A

-

-

-

2.5 VA

5 VA

7.5 VA

0300A

300 A

1.5 VA

1.5 VA

1.5 VA

5 VA

7.5 VA

10 VA

0400A

400 A

2.5 VA

2.5 VA

2.5 VA

10 VA

12.5 VA

15 VA

0500A

500 A

2.5 VA

3.75 VA

2.5 VA

10 VA

12.5 VA

15 VA

0600A

600 A

5 VA

5 VA

5 VA

15 VA

15 VA

20 VA

0750A

750 A

5 VA

10 VA

5 VA

15 VA

20 VA

25 VA

0800A

800 A

7.5 VA

12.5 VA

7.5 VA

20 VA

20 VA

25 VA

1000A

1000 A

10 VA

15 VA

10 VA

20 VA

20 VA

25 VA

1200A

1200 A

10 VA

15 VA

10 VA

20 VA

20 VA

25 VA

1250A

1250 A

10 VA

15 VA

10 VA

20 VA

20 VA

25 VA

1500A

1500 A

10 VA

15 VA

10 VA

20 VA

20 VA

25 VA

1600A

1600 A

10 VA

15 VA

10 VA

20 VA

20 VA

25 VA

**Ordering example:** Order code LCTB 8650450300A55 means the transformer LCTB 86/50(45) 300/5A meeting the requirements of the class:

- kl. 0.5 7.5 VA
- kl. 1 10 VA
- kl. 3 15 VA

**ACCESSORIES:**  
DIN rail mounting base  
Order code: LH000-0904-130-124

# LCTB 100 - BUSBAR SERIES



INPUT:

400 A  
...  
3000 A

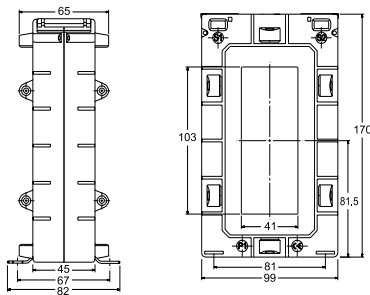
OUTPUTS:

5 A 1 A

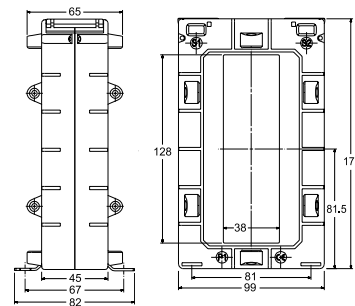
|                   | LCTB 100/100V (45)      | LCTB 100/130V (45) |
|-------------------|-------------------------|--------------------|
| Busbar            | 41 x 103 mm             | 38 x 128 mm        |
| Depth             | 45 mm                   | 45 mm              |
| Width             | 100 mm                  | 100 mm             |
| Primary current   | 400 A...2500 A          | 400 A...3000 A     |
| Secondary current | 1 A, 5 A                |                    |
| Accuracy class    | 0.2S; 0.2; 0.5S; 0.5; 1 | 0.2; 0.5; 1        |

## DIMENSIONS

LCTB 100/100V (45)



LCTB 100/130V (45)



## ORDERING CODES

LCTB 100100

| Secondary current | Code |
|-------------------|------|
| x/5A              | 5    |
| x/1A              | 1    |

| Transformer type | LCTB 100/100V (45) |     |      |     |   |   |
|------------------|--------------------|-----|------|-----|---|---|
| Accuracy class   | 0.2S               | 0.2 | 0.5S | 0.5 | 1 | 3 |
| Code             | S                  | 2   | R    | -   | - | - |

| Code  | Rated primary current | Transformer burden |       |        |        |       |         | Code |
|-------|-----------------------|--------------------|-------|--------|--------|-------|---------|------|
| 0400A | 400 A                 | -                  | -     | -      | 2.5 VA | 5 VA  | 5 VA    | 5    |
| 0500A | 500 A                 | -                  | -     | -      | 2.5 VA | 5 VA  | 6.25 VA |      |
| 0600A | 600 A                 | -                  | -     | -      | 2.5 VA | 5 VA  | 7.5 VA  |      |
| 0750A | 750 A                 | -                  | -     | -      | 2.5 VA | 5 VA  | 7.5 VA  |      |
| 0800A | 800 A                 | -                  | -     | -      | 5 VA   | 10 VA | 10 VA   |      |
| 1000A | 1000 A                | -                  | 5 VA  | -      | 10 VA  | 15 VA | 15 VA   |      |
| 1200A | 1200 A                | 5 VA               | 5 VA  | 5 VA   | 10 VA  | 15 VA | 15 VA   |      |
| 1250A | 1250 A                | 5 VA               | 5 VA  | 5 VA   | 10 VA  | 15 VA | 20 VA   |      |
| 1500A | 1500 A                | 5 VA               | 5 VA  | 5 VA   | 15 VA  | 30 VA | 30 VA   |      |
| 1600A | 1600 A                | 7.5 VA             | 10 VA | 7.5 VA | 15 VA  | 30 VA | 30 VA   |      |
| 2000A | 2000 A                | 7.5 VA             | 10 VA | 7.5 VA | 15 VA  | 30 VA | 35 VA   | 5    |
| 2500A | 2500 A                | 10 VA              | 10 VA | 10 VA  | 15 VA  | 20 VA | 35 VA   |      |

LCTB 100130

| Secondary current | Code |
|-------------------|------|
| x/5A              | 5    |
| x/1A              | 1    |

| Transformer type | LCTB 100/130V (45) |     |   |   |
|------------------|--------------------|-----|---|---|
| Accuracy class   | 0.2                | 0.5 | 1 | 3 |
| Code             | 2                  | -   | - | - |

| Code  | Rated primary current | Transformer burden |        |         |         | Code |
|-------|-----------------------|--------------------|--------|---------|---------|------|
| 0400A | 400 A                 | -                  | 2.5 VA | 5 VA    | 5 VA    | 5    |
| 0500A | 500 A                 | -                  | 2.5 VA | 5 VA    | 6.25 VA |      |
| 0600A | 600 A                 | -                  | 2.5 VA | 5 VA    | 7.5 VA  |      |
| 0750A | 750 A                 | -                  | 2.5 VA | 7.5 VA  | 7.5 VA  |      |
| 0800A | 800 A                 | -                  | 5 VA   | 7.5 VA  | 10 VA   |      |
| 1000A | 1000 A                | -                  | 10 VA  | 10 VA   | 15 VA   |      |
| 1200A | 1200 A                | -                  | 10 VA  | 15 VA   | 15 VA   |      |
| 1250A | 1250 A                | -                  | 10 VA  | 15 VA   | 20 VA   |      |
| 1500A | 1500 A                | 5 VA               | 15 VA  | 30 VA   | 30 VA   |      |
| 1600A | 1600 A                | 5 VA               | 15 VA  | 30 VA   | 30 VA   |      |
| 2000A | 2000 A                | 5 VA               | 15 VA  | 30 VA   | 30 VA   |      |
| 2500A | 2500 A                | 5 VA               | 15 VA  | 30 VA   | 35 VA   |      |
| 3000A | 3000 A                | 5 VA               | 10 VA  | 12.5 VA | 35 VA   |      |

Ordering example: Order code LCTB 1001001500A55 means the transformer LCTB 100/100V(45) 1500/5A meeting the requirements of the class: kl. 0.5 - 15 VA; kl. 1 - 30 VA; kl. 3 - 30 VA

# LCTB 104 - BUSBAR SERIES

|                   | LCTB 104/60 (45)                              | LCTB 104/80 (45)                              |
|-------------------|-----------------------------------------------|-----------------------------------------------|
| Hole diameter     | Ø 54 mm                                       | Ø 65 mm                                       |
| Busbar            | 60 x 12 mm, 2 x 50 x 15 mm,<br>2 x 40 x 20 mm | 80 x 12 mm, 2 x 60 x 15 mm,<br>2 x 50 x 25 mm |
| Depth             | 45 mm                                         | 45 mm                                         |
| Width             | 104 mm                                        | 104 mm                                        |
| Primary current   | 100 A...1600 A                                | 200 A...2000 A                                |
| Secondary current | 1 A, 5 A                                      |                                               |
| Accuracy class    | 0,2S; 0,2; 0,5S; 0,5; 1                       |                                               |

INPUT:

100 A  
...  
2000 A

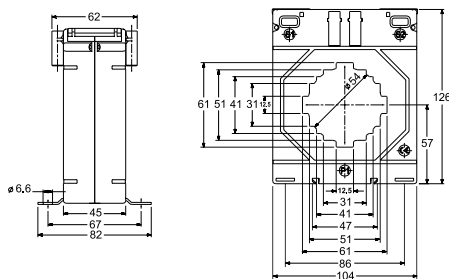
OUTPUTS:

5 A 1 A

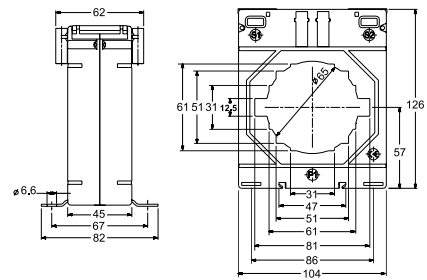


## DIMENSIONS

LCTB 104/60 (45)



LCTB 104/80 (45)



## ORDERING CODES

LCTB 104604

Secondary current

Code

x/5A

5

x/1A

1

| Transformer type | LCTB 104/60 (45) |     |      |     |   |   |
|------------------|------------------|-----|------|-----|---|---|
| Accuracy class   | 0.2S             | 0.2 | 0.5S | 0.5 | 1 | 3 |
| Code             | S                | 2   | R    | -   | - | - |

| Code  | Rated primary current | Transformer burden |         |         |        |         |         | Code |
|-------|-----------------------|--------------------|---------|---------|--------|---------|---------|------|
| 0100A | 100 A                 | -                  | -       | -       | -      | 1.5 VA  | 2.5 VA  | 1    |
| 0120A | 120 A                 | -                  | -       | -       | -      | 2.5 VA  | 3.75 VA |      |
| 0125A | 125 A                 | -                  | -       | -       | -      | 2.5 VA  | 3.75 VA |      |
| 0150A | 150 A                 | -                  | -       | -       | 2.5 VA | 5 VA    | 7.5 VA  |      |
| 0200A | 200 A                 | -                  | -       | -       | 5 VA   | 10 VA   | 12.5 VA | 5    |
| 0250A | 250 A                 | -                  | 1.5 VA  | -       | 7.5 VA | 12.5 VA | 15 VA   |      |
| 0300A | 300 A                 | 1.5 VA             | 2.5 VA  | 1.5 VA  | 10 VA  | 15 VA   | 15 VA   |      |
| 0400A | 400 A                 | 2.5 VA             | 3.75 VA | 2.5 VA  | 5 VA   | 10 VA*  | 15 VA   |      |
| 0500A | 500 A                 | 3.75 VA            | 7.5 VA  | 3.75 VA | 15 VA  | 20 VA   | 20 VA   |      |
| 0600A | 600 A                 | 5 VA               | 10 VA   | 5 VA    | 15 VA  | 30 VA   | 25 VA   |      |
| 0750A | 750 A                 | 5 VA               | 15 VA   | 5 VA    | 20 VA  | 30 VA   | 30 VA   |      |
| 0800A | 800 A                 | 7.5 VA             | 15 VA   | 7.5 VA  | 30 VA  | 30 VA   | 35 VA   |      |
| 1000A | 1000 A                | 10 VA              | 20 VA   | 10 VA   | 30 VA  | 45 VA   | 35 VA   |      |
| 1200A | 1200 A                | 10 VA              | 30 VA   | 10 VA   | 30 VA  | 45 VA   | 45 VA   |      |
| 1250A | 1250 A                | 10 VA              | 30 VA   | 10 VA   | 30 VA  | 45 VA   | 50 VA   |      |
| 1500A | 1500 A                | 10 VA              | 30 VA   | 10 VA   | 30 VA  | 45 VA   | 50 VA   |      |
| 1600A | 1600 A                | 10 VA              | 30 VA   | 10 VA   | 30 VA  | 45 VA   | 50 VA   |      |

\*The custom value of the nominal power, which should be given when ordering the transformer.

**Ordering example:** Order code LCTB 1046041500A55 means the transformer LCTB 104/60(45) 1500/5A meeting the requirements of the class: kl. 0.5 - 30 VA; kl. 1 - 45 VA; kl. 3 - 50 VA

LCTB 104804

Secondary current

Code

x/5A

5

x/1A

1

| Transformer type | LCTB 104/80 (45) |     |      |     |   |   |
|------------------|------------------|-----|------|-----|---|---|
| Accuracy class   | 0.2S             | 0.2 | 0.5S | 0.5 | 1 | 3 |
| Code             | S                | 2   | R    | -   | - | - |

| Code  | Rated primary current | Transformer burden |         |        |        |         |         | Code |
|-------|-----------------------|--------------------|---------|--------|--------|---------|---------|------|
| 0200A | 200 A                 | -                  | -       | -      | -      | 1.5 VA  | 2.5 VA  | 1    |
| 0250A | 250 A                 | -                  | -       | -      | 1.5 VA | 2.5 VA  | 3.75 VA |      |
| 0300A | 300 A                 | -                  | -       | -      | 2.5 VA | 7.5 VA  | 7.5 VA  |      |
| 0400A | 400 A                 | -                  | 1.5 VA  | -      | 5 VA   | 10 VA   | 10 VA   |      |
| 0500A | 500 A                 | -                  | 1.5 VA  | -      | 5 VA   | 10 VA   | 10 VA   | 5    |
| 0600A | 600 A                 | -                  | 2.5 VA  | -      | 7.5 VA | 12.5 VA | 12.5 VA |      |
| 0750A | 750 A                 | 5 VA               | 5 VA    | 5 VA   | 10 VA  | 15 VA   | 15 VA   |      |
| 0800A | 800 A                 | 5 VA               | 7.5 VA  | 5 VA   | 10 VA  | 15 VA   | 15 VA   |      |
| 1000A | 1000 A                | 7.5 VA             | 12.5 VA | 7.5 VA | 20 VA  | 20 VA   | 20 VA   |      |
| 1200A | 1200 A                | 10 VA              | 15 VA   | 10 VA  | 20 VA  | 30 VA   | 30 VA   |      |
| 1250A | 1250 A                | 10 VA              | 15 VA   | 10 VA  | 20 VA  | 30 VA   | 30 VA   |      |
| 1500A | 1500 A                | 10 VA              | 15 VA   | 10 VA  | 20 VA  | 30 VA   | 30 VA   |      |
| 1600A | 1600 A                | 10 VA              | 15 VA   | 10 VA  | 20 VA  | 30 VA   | 30 VA   |      |
| 2000A | 2000 A                | 10 VA              | 15 VA   | 10 VA  | 20 VA  | 30 VA   | 35 VA   |      |

## ACCESSORIES:

DIN rail mounting base

Order code: LH000-0904-130-124

# LCTB 140 - BUSBAR SERIES



CE

INPUT:

200 A  
...  
5000 A

OUTPUTS:

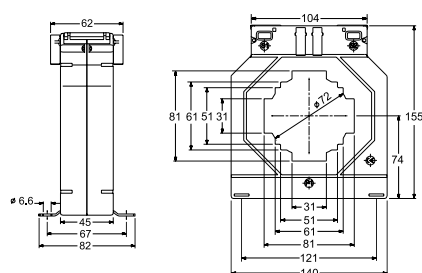
5 A

1 A

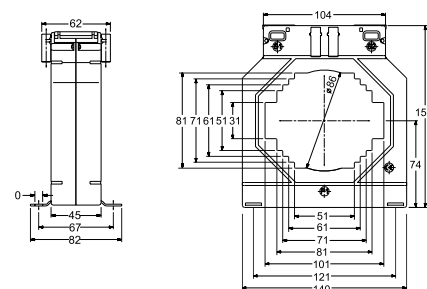
|                   | LCTB 140/80 (45)              | LCTB 140/100H (45)                                | LCTB 140/100V (45)                                | LCTB 140/130V (45) |
|-------------------|-------------------------------|---------------------------------------------------|---------------------------------------------------|--------------------|
| Hole diameter     | Ø 72 mm                       | Ø 86 mm                                           | Ø 86 mm                                           | -                  |
| Busbar            | 80 x 30 mm,<br>2 x 60 x 25 mm | 100 x 30 mm,<br>2 x 80 x 25 mm,<br>2 x 70 x 30 mm | 100 x 30 mm,<br>2 x 80 x 25 mm,<br>2 x 70 x 30 mm | 70 x 130 mm        |
| Depth             | 45 mm                         | 45 mm                                             | 45 mm                                             | 45 mm              |
| Width             | 140 mm                        | 140 mm                                            | 140 mm                                            | 140 mm             |
| Primary current   | 200 A...2000 A                | 200 A...4000 A                                    | 200 A...3000 A                                    | 400 A...5000 A     |
| Secondary current | 1 A, 5 A                      |                                                   |                                                   |                    |
| Accuracy class    | 0.2S; 0.2; 0.5S; 0.5; 1       |                                                   |                                                   | 0.2; 0.5; 1        |

## DIMENSIONS

LCTB 140/80 (45)



LCTB 140/100H (45)



## ORDERING CODES

LCTB 140804

| Secondary current | Code |
|-------------------|------|
| x/5A              | 5    |
| x/1A              | 1    |

| Transformer type | LCTB 140/80 (45) |     |      |     |   |   |
|------------------|------------------|-----|------|-----|---|---|
| Accuracy class   | 0.2S             | 0.2 | 0.5S | 0.5 | 1 | 3 |
| Code             | S                | 2   | R    | -   | - | - |

| Code  | Rated primary current | Transformer burden |        |         |        |       |         | Code |
|-------|-----------------------|--------------------|--------|---------|--------|-------|---------|------|
| 0200A | 200 A                 | -                  | -      | -       | 2.5 VA | 5 VA  | 7.5 VA  | 5    |
| 0250A | 250 A                 | -                  | -      | -       | 5 VA   | 10 VA | 12.5 VA |      |
| 0300A | 300 A                 | -                  | 1.5 VA | -       | 7.5 VA | 15 VA | 15 VA   |      |
| 0400A | 400 A                 | -                  | 2.5 VA | -       | 10 VA  | 20 VA | 25 VA   |      |
| 0500A | 500 A                 | 2.5 VA             | 5 VA   | 2.5 VA  | 15 VA  | 30 VA | 30 VA   |      |
| 0600A | 600 A                 | 3.75 VA            | 7.5 VA | 3.75 VA | 15 VA  | 30 VA | 35 VA   |      |
| 0750A | 750 A                 | 5 VA               | 10 VA  | 5 VA    | 15 VA  | 45 VA | 45 VA   |      |
| 0800A | 800 A                 | 5 VA               | 10 VA  | 5 VA    | 15 VA  | 45 VA | 50 VA   |      |
| 1000A | 1000 A                | 10 VA              | 15 VA  | 10 VA   | 30 VA  | 60 VA | 60 VA   |      |
| 1200A | 1200 A                | 12.5 VA            | 15 VA  | 12.5 VA | 30 VA  | 60 VA | 60 VA   |      |
| 1250A | 1250 A                | 12.5 VA            | 30 VA  | 12.5 VA | 60 VA  | 60 VA | 60 VA   |      |
| 1500A | 1500 A                | 15 VA              | 30 VA  | 15 VA   | 60 VA  | 60 VA | 60 VA   |      |
| 1600A | 1600 A                | 15 VA              | 30 VA  | 15 VA   | 60 VA  | 60 VA | 60 VA   |      |
| 2000A | 2000 A                | 15 VA              | 30 VA  | 15 VA   | 60 VA  | 60 VA | 60 VA   |      |

Ordering example: Order code LCTB 1408041500A55 means the transformer LCTB 140/80(45) 1500/5A meeting the requirements of the class: kl. 0.5 - 60 VA; kl. 1 - 60 VA; kl. 3 - 60 VA

LCTB 14010H

| Secondary current | Code |
|-------------------|------|
| x/5A              | 5    |
| x/1A              | 1    |

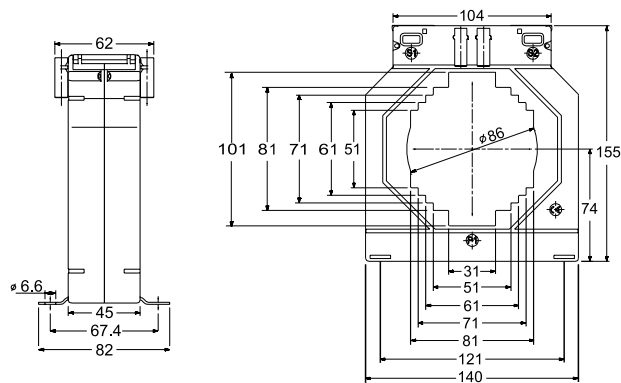
| Transformer type | LCTB 140/100H (45) |     |      |     |   |   |
|------------------|--------------------|-----|------|-----|---|---|
| Accuracy class   | 0.2S               | 0.2 | 0.5S | 0.5 | 1 | 3 |
| Code             | S                  | 2   | R    | -   | - | - |

| Code  | Rated primary current | Transformer burden |         |        |         |         |         | Code |
|-------|-----------------------|--------------------|---------|--------|---------|---------|---------|------|
| 0200A | 200 A                 | -                  | -       | -      | 1.5 VA  | 3.75 VA | 5 VA    | 5    |
| 0250A | 250 A                 | -                  | -       | -      | 2.5 VA  | 5 VA    | 7.5 VA  |      |
| 0300A | 300 A                 | -                  | -       | -      | 3.75 VA | 7.5 VA  | 10 VA   |      |
| 0400A | 400 A                 | -                  | 1.5 VA  | -      | 7.5 VA  | 10 VA   | 12.5 VA |      |
| 0500A | 500 A                 | -                  | 2.5 VA  | -      | 10 VA   | 12.5 VA | 12.5 VA |      |
| 0600A | 600 A                 | 2.5 VA             | 3.75 VA | 2.5 VA | 10 VA   | 15 VA   | 15 VA   |      |
| 0750A | 750 A                 | 5 VA               | 5 VA    | 5 VA   | 15 VA   | 20 VA   | 20 VA   |      |
| 0800A | 800 A                 | 5 VA               | 5 VA    | 5 VA   | 15 VA   | 20 VA   | 25 VA   |      |
| 1000A | 1000 A                | 5 VA               | 10 VA   | 5 VA   | 15 VA   | 20 VA   | 25 VA   |      |
| 1200A | 1200 A                | 10 VA              | 15 VA   | 10 VA  | 15 VA   | 30 VA   | 30 VA   |      |
| 1250A | 1250 A                | 10 VA              | 15 VA   | 10 VA  | 15 VA   | 30 VA   | 35 VA   |      |
| 1500A | 1500 A                | 15 VA              | 20 VA   | 15 VA  | 20 VA   | 30 VA   | 40 VA   |      |
| 1600A | 1600 A                | 15 VA              | 20 VA   | 15 VA  | 20 VA   | 45 VA   | 45 VA   |      |
| 2000A | 2000 A                | 15 VA              | 30 VA   | 15 VA  | 45 VA   | 45 VA   | 45 VA   |      |
| 2500A | 2500 A                | 15 VA              | 30 VA   | 15 VA  | 45 VA   | 45 VA   | 45 VA   |      |
| 3000A | 3000 A                | 15 VA              | 30 VA   | 15 VA  | 60 VA   | 60 VA   | 60 VA   |      |
| 4000A | 4000 A                | 15 VA              | 30 VA   | 15 VA  | 60 VA   | 60 VA   | 60 VA   |      |

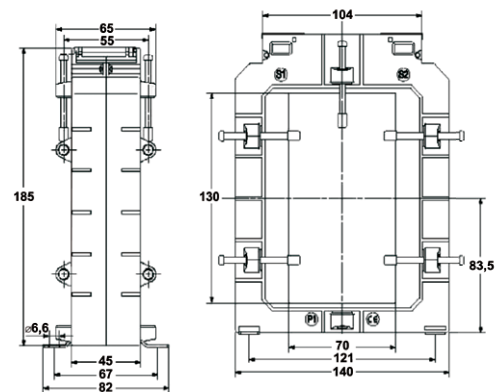
# LCTB 140 - BUSBAR SERIES

## DIMENSIONS

LCTB 140/100V (45)



LCTB 140/130V (45)



## ORDERING CODES

LCTB 14010V

| Secondary current | Code |
|-------------------|------|
| x/5A              | 5    |
| x/1A              | 1    |

| Transformer type | LCTB 140/100V (45) |     |      |     |   |   |
|------------------|--------------------|-----|------|-----|---|---|
| Accuracy class   | 0.2S               | 0.2 | 0.5S | 0.5 | 1 | 3 |
| Code             | S                  | 2   | R    | -   | - | - |

| Code  | Rated primary current | Transformer burden |         |        |         |         |         | Code |
|-------|-----------------------|--------------------|---------|--------|---------|---------|---------|------|
| 0200A | 200 A                 | -                  | -       | -      | 1.5 VA  | 3.75 VA | 5 VA    | 5    |
| 0250A | 250 A                 | -                  | -       | -      | 2.5 VA  | 5 VA    | 5 VA    |      |
| 0300A | 300 A                 | -                  | -       | -      | 3.75 VA | 7.5 VA  | 10 VA   |      |
| 0400A | 400 A                 | -                  | 1.5 VA  | -      | 10 VA   | 10 VA   | 12.5 VA |      |
| 0500A | 500 A                 | -                  | 2.5 VA  | -      | 10 VA   | 12.5 VA | 12.5 VA |      |
| 0600A | 600 A                 | 2.5 VA             | 3.75 VA | 2.5 VA | 12.5 VA | 15 VA   | 15 VA   |      |
| 0750A | 750 A                 | 5 VA               | 5 VA    | 5 VA   | 15 VA   | 20 VA   | 20 VA   |      |
| 0800A | 800 A                 | 5 VA               | 5 VA    | 5 VA   | 15 VA   | 20 VA   | 20 VA   |      |
| 1000A | 1000 A                | 5 VA               | 10 VA   | 5 VA   | 15 VA   | 20 VA   | 20 VA   |      |
| 1200A | 1200 A                | 10 VA              | 15 VA   | 10 VA  | 15 VA   | 30 VA   | 30 VA   |      |
| 1250A | 1250 A                | 10 VA              | 15 VA   | 10 VA  | 15 VA   | 30 VA   | 30 VA   |      |
| 1500A | 1500 A                | 15 VA              | 20 VA   | 15 VA  | 30 VA   | 30 VA   | 35 VA   |      |
| 1600A | 1600 A                | 15 VA              | 20 VA   | 15 VA  | 45 VA   | 45 VA   | 45 VA   |      |
| 2000A | 2000 A                | 15 VA              | 30 VA   | 15 VA  | 45 VA   | 45 VA   | 45 VA   |      |
| 2500A | 2500 A                | 15 VA              | 30 VA   | 15 VA  | 45 VA   | 45 VA   | 45 VA   |      |
| 3000A | 3000 A                | 15 VA              | 30 VA   | 15 VA  | 60 VA   | 60 VA   | 60 VA   |      |

LCTB 140130

| Secondary current | Code |
|-------------------|------|
| x/5A              | 5    |
| x/1A              | 1    |

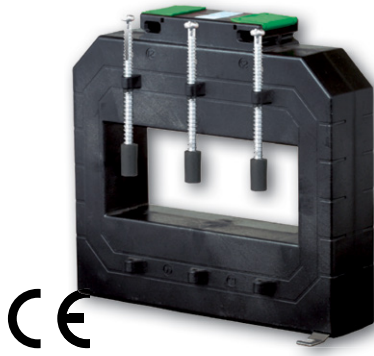
| Transformer type | LCTB 140/130V (45) |     |   |   |
|------------------|--------------------|-----|---|---|
| Accuracy class   | 0.2                | 0.5 | 1 | 3 |
| Code             | 2                  | -   | - | - |

| Code  | Rated primary current | Transformer burden |         |        |         | Code |
|-------|-----------------------|--------------------|---------|--------|---------|------|
| 0400A | 400 A                 | -                  | 3.75 VA | 5 VA   | 6.25 VA | 5    |
| 0500A | 500 A                 | -                  | 3.75 VA | 5VA    | 7.5 VA  |      |
| 0600A | 600 A                 | -                  | 3.75 VA | 5 VA   | 7.5 VA  |      |
| 0750A | 750 A                 | -                  | 5 VA    | 7.5 VA | 10 VA   |      |
| 0800A | 800 A                 | -                  | 5 VA    | 7.5 VA | 10 VA   |      |
| 1000A | 1000 A                | 5 VA               | 10 VA   | 10 VA  | 15 VA   |      |
| 1200A | 1200 A                | 7.5 VA             | 10 VA   | 15 VA  | 20 VA   |      |
| 1250A | 1250 A                | 7.5 VA             | 10 VA   | 15 VA  | 20 VA   |      |
| 1500A | 1500 A                | 10VA               | 15 VA   | 15 VA  | 20 VA   |      |
| 1600A | 1600 A                | 10 VA              | 15 VA   | 15 VA  | 20 VA   |      |
| 2000A | 2000 A                | 15 VA              | 20 VA   | 20 VA  | 20 VA   |      |
| 2500A | 2500 A                | 15 VA              | 20 VA   | 20 VA  | 25 VA   |      |
| 3000A | 3000 A                | 15 VA              | 20 VA   | 20 VA  | 25 VA   |      |
| 4000A | 4000 A                | 15 VA              | 20 VA   | 20 VA  | 35 VA   |      |
| 5000A | 5000 A                | 15 VA              | 20 VA   | 20 VA  | 35 VA   |      |

Ordering example: Order code LCTB 14010V1000A55 means the transformer LCTB 140/100V(45) 1000/5A meeting the requirements of the class:

- kl. 0.5 15 VA
- kl. 1 20 VA
- kl. 3 20 VA

# LCTB 225 - BUSBAR SERIES



INPUT:

600 A  
...  
7500 A

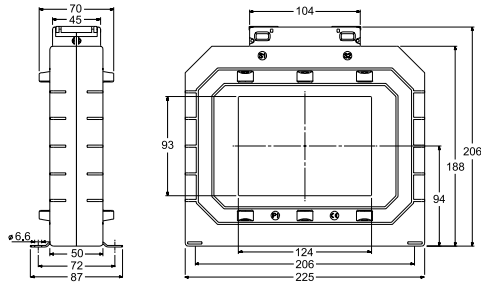
OUTPUTS:

5 A 1 A

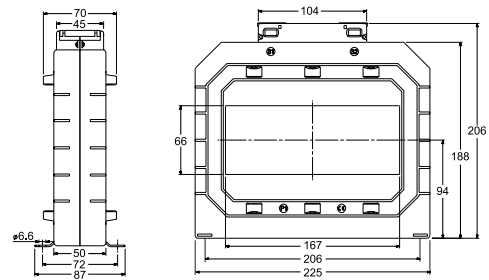
|                   | LCTB 225/125 (50)          | LCTB 225/167 (50) |
|-------------------|----------------------------|-------------------|
| Busbar            | 124 x 93 mm                | 166 x 65 mm       |
| Depth             | 50 mm                      | 50 mm             |
| Width             | 225 mm                     | 225 mm            |
| Primary current   | 600 A...6000 A             | 1000 A...7500 A   |
| Secondary current | 1 A, 5 A                   |                   |
| Accuracy class    | 0.2S; 0.2; 0.5S; 0.5; 1; 3 |                   |

## DIMENSIONS

LCTB 225/125 (50)



LCTB 225/167 (50)



## ORDERING CODES

LCTB 225125

| Secondary current | Code |
|-------------------|------|
| x/5A              | 5    |
| x/1A              | 1    |

| Transformer type | LCTB 225/125 (50) |     |      |     |   |   |
|------------------|-------------------|-----|------|-----|---|---|
| Accuracy class   | 0.2S              | 0.2 | 0.5S | 0.5 | 1 | 3 |
| Code             | S                 | 2   | R    | -   | - | - |

| Code  | Rated primary current | Transformer burden |       |        |        |        |         | Code |
|-------|-----------------------|--------------------|-------|--------|--------|--------|---------|------|
| 0600A | 600 A                 | -                  | 5 VA  | -      | 5 VA   | 10 VA  | 12.5 VA | 5    |
| 0750A | 750 A                 | -                  | 5 VA  | -      | 10 VA  | 10 VA  | 12.5 VA |      |
| 0800A | 800 A                 | -                  | 5 VA  | -      | 10 VA  | 10 VA  | 15 VA   |      |
| 1000A | 1000 A                | 5 VA               | 10 VA | 5 VA   | 10 VA  | 15 VA  | 15 VA   |      |
| 1200A | 1200 A                | 5 VA               | 10 VA | 5 VA   | 10 VA  | 15 VA  | 20 VA   |      |
| 1250A | 1250 A                | 5 VA               | 10 VA | 5 VA   | 10 VA  | 15 VA  | 20 VA   |      |
| 1500A | 1500 A                | 7.5 VA             | 10 VA | 7.5 VA | 15 VA  | 30 VA  | 30 VA   |      |
| 1600A | 1600 A                | 7.5 VA             | 10 VA | 7.5 VA | 15 VA  | 30 VA  | 35 VA   |      |
| 2000A | 2000 A                | 10 VA              | 10 VA | 10 VA  | 15 VA  | 30 VA  | 35 VA   |      |
| 2500A | 2500 A                | 10 VA              | 15 VA | 10 VA  | 30 VA  | 30 VA  | 45 VA   |      |
| 3000A | 3000 A                | 10 VA              | 15 VA | 10 VA  | 30 VA  | 60 VA  | 60 VA   |      |
| 4000A | 4000 A                | 15 VA              | 30 VA | 15 VA  | 45 VA  | 60 VA  | 60 VA   |      |
| 5000A | 5000 A                | 15 VA              | 30 VA | 15 VA  | 100 VA | 100 VA | 100 VA  |      |
| 6000A | 6000 A                | 15 VA              | 60 VA | 15 VA  | 100 VA | 100 VA | 100 VA  |      |

LCTB 225167

| Secondary current | Code |
|-------------------|------|
| x/5A              | 5    |
| x/1A              | 1    |

| Transformer type | LCTB 225/167 (50) |     |      |     |   |   |
|------------------|-------------------|-----|------|-----|---|---|
| Accuracy class   | 0.2S              | 0.2 | 0.5S | 0.5 | 1 | 3 |
| Code             | S                 | 2   | R    | -   | - | - |

| Code  | Rated primary current | Transformer burden |         |        |       |       |       | Code |
|-------|-----------------------|--------------------|---------|--------|-------|-------|-------|------|
| 1000A | 1000 A                | -                  | 3.75 VA | -      | 5 VA  | 10 VA | 15 VA | 5    |
| 1200A | 1200 A                | -                  | 5 VA    | -      | 10 VA | 15 VA | 20 VA |      |
| 1250A | 1250 A                | -                  | 5 VA    | -      | 10 VA | 15 VA | 20 VA |      |
| 1500A | 1500 A                | 5 VA               | 10 VA   | 5 VA   | 15 VA | 30 VA | 30 VA |      |
| 1600A | 1600 A                | 5 VA               | 10 VA   | 5 VA   | 15 VA | 30 VA | 35 VA |      |
| 2000A | 2000 A                | 7.5 VA             | 10 VA   | 7.5 VA | 30 VA | 30 VA | 35 VA |      |
| 2500A | 2500 A                | 10 VA              | 15 VA   | 10 VA  | 30 VA | 45 VA | 45 VA |      |
| 3000A | 3000 A                | 10 VA              | 15 VA   | 10 VA  | 30 VA | 45 VA | 50 VA |      |
| 4000A | 4000 A                | 10 VA              | 15 VA   | 10 VA  | 30 VA | 45 VA | 50 VA |      |
| 5000A | 5000 A                | 15 VA              | 20 VA   | 15 VA  | 30 VA | 45 VA | 50 VA |      |
| 6000A | 6000 A                | 15 VA              | 20 VA   | 15 VA  | 30 VA | 45 VA | 50 VA |      |
| 7500A | 7500 A                | 15 VA              | 20 VA   | 15 VA  | 30 VA | 45 VA | 50 VA |      |

Ordering example: Order code LCTB 2251251500A55 means the transformer LCTB 225/125(50) 1500/5A meeting the requirements of the class: kl. 0.5 - 15 VA; kl. 1 - 30 VA; kl. 3 - 30 VA

# SERIA LCTS - SPLIT CORE SERIES

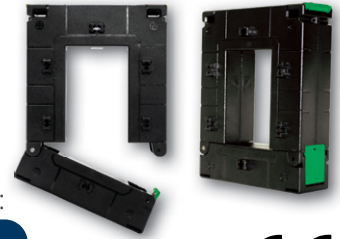
|                       | LCTS 93/30SC (40) | LCTS 125/50SC (40) | LCTS 155/80SC (40) | LCTS 195/80SC (64) |
|-----------------------|-------------------|--------------------|--------------------|--------------------|
| Window dimensions     | 23 x 33 mm        | 85 x 54 mm         | 85 x 125 mm        | 82 x 162 mm        |
| Depth                 | 40 mm             | 40 mm              | 40 mm              | 64 mm              |
| Width                 | 93 mm             | 125 mm             | 155 mm             | 195 mm             |
| Rated primary current | 100 A...400 A     | 250 A...1000 A     | 250 A...3000 A     | 500 A...5000 A     |
| Secondary current     | 1 A, 5 A          |                    |                    |                    |
| Accuracy class        | 0.5; 1            |                    |                    |                    |

INPUT:

100 A  
...  
5000 A

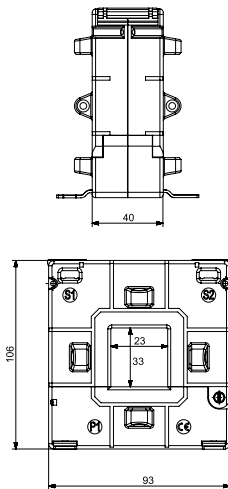
OUTPUTS:

5 A 1 A

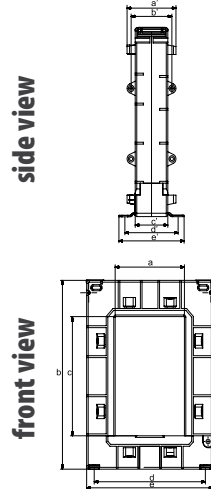


## DIMENSIONS

### LCTS 93/30SC (40)



### LCTS 125/50SC, 155/80SC, 195/80SC



Side view (dimensions in mm)

| Type          | a' | b' | c' | d' | e'  |
|---------------|----|----|----|----|-----|
| 125/50SC (40) | 60 | 50 | 40 | 65 | 80  |
| 155/80SC (40) | 60 | 50 | 40 | 65 | 80  |
| 195/80SC (64) | 84 | 74 | 64 | 80 | 100 |

Front view (dimensions in mm)

| Type          | a  | b   | c   | d   | e   |
|---------------|----|-----|-----|-----|-----|
| 125/50SC (40) | 54 | 158 | 85  | 106 | 125 |
| 155/80SC (40) | 85 | 198 | 125 | 136 | 155 |
| 195/80SC (64) | 80 | 245 | 160 | 179 | 195 |

## ORDERING CODES

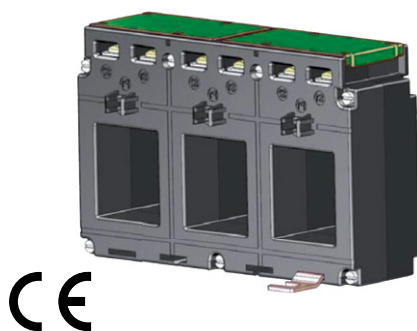
| Transformer type |                 | LCTS 93/30SC (40)  |         | LCTS 125/50SC (40) |         | LCTS 155/80SC (40) |         | LCTS 195/80SC (64) |       |
|------------------|-----------------|--------------------|---------|--------------------|---------|--------------------|---------|--------------------|-------|
| Accuracy class   |                 | 0.5                | 1       | 0.5                | 1       | 0.5                | 1       | 0.5                | 1     |
| Code             |                 | 5                  | 1       | 5                  | 1       | 5                  | 1       | 5                  | 1     |
| Code             | Primary current | Transformer burden |         |                    |         |                    |         |                    |       |
| 0100A            | 100 A           | -                  | 1.5 VA  | -                  | -       | -                  | -       | -                  | -     |
| 0150A            | 150 A           | -                  | 1.75 VA | -                  | -       | -                  | -       | -                  | -     |
| 0200A            | 200 A           | -                  | 2.5 VA  | -                  | -       | -                  | -       | -                  | -     |
| 0250A            | 250 A           | -                  | 3.75 VA | 1 VA               | 2.5 VA  | 1 VA               | 2.5 VA  | -                  | -     |
| 0300A            | 300 A           | 2.5 VA             | 5 VA    | 2.5 VA             | 3.75 VA | 1.5 VA             | 3.75 VA | -                  | -     |
| 0400A            | 400 A           | 3.75 VA            | 6.25 VA | 2.5 VA             | 3.75 VA | 2.5 VA             | 3.75 VA | -                  | -     |
| 0500A            | 500 A           | -                  | -       | 3.75 VA            | 5 VA    | 3.75 VA            | 5 VA    | 1.25 VA            | 5 VA  |
| 0600A            | 600 A           | -                  | -       | 5 VA               | 7.5 VA  | 5 VA               | 7.5 VA  | 1.25 VA            | 5 VA  |
| 0750A            | 750 A           | -                  | -       | 7.5 VA             | 10 VA   | 7.5 VA             | 10 VA   | 5 VA               | 10 VA |
| 0800A            | 800 A           | -                  | -       | 7.5 VA             | 10 VA   | 7.5 VA             | 10 VA   | 7.5 VA             | 10 VA |
| 1000A            | 1000 A          | -                  | -       | 10 VA              | 15 VA   | 10 VA              | 15 VA   | 10 VA              | 20 VA |
| 1200A            | 1200 A          | -                  | -       | -                  | -       | 15 VA              | 30 VA   | 15 VA              | 20 VA |
| 1250A            | 1250 A          | -                  | -       | -                  | -       | 15 VA              | 30 VA   | 15 VA              | 20 VA |
| 1500A            | 1500 A          | -                  | -       | -                  | -       | 20 VA              | 45 VA   | 20 VA              | 30 VA |
| 1600A            | 1600 A          | -                  | -       | -                  | -       | 20 VA              | 45 VA   | 20 VA              | 30 VA |
| 2000A            | 2000 A          | -                  | -       | -                  | -       | 20 VA              | 45 VA   | 25 VA              | 30 VA |
| 2500A            | 2500 A          | -                  | -       | -                  | -       | 25 VA              | 45 VA   | 25 VA              | 30 VA |
| 3000A            | 3000 A          | -                  | -       | -                  | -       | 30 VA              | 45 VA   | 30 VA              | 45 VA |
| 4000A            | 4000 A          | -                  | -       | -                  | -       | -                  | -       | 30 VA              | 45 VA |
| 5000A            | 5000 A          | -                  | -       | -                  | -       | -                  | -       | 30 VA              | 45 VA |

|             |  |  |  |  |  |  |  |  |  |
|-------------|--|--|--|--|--|--|--|--|--|
| LCTS 933040 |  |  |  |  |  |  |  |  |  |
| LCTS 125504 |  |  |  |  |  |  |  |  |  |
| LCTS 155806 |  |  |  |  |  |  |  |  |  |
| LCTS 195806 |  |  |  |  |  |  |  |  |  |

| Secondary current | Code |
|-------------------|------|
| x/5A              | 5    |
| x/1A              | 1    |

**Ordering example:** Order code LCTS 9330400300A55 means the transformer LCTS 93/30SC(40) 300/5A ; Class 0.5; power 2.5VA

# LCTP - 3-PHASE BUSBAR SERIES



INPUT:

100 A  
...  
500 A

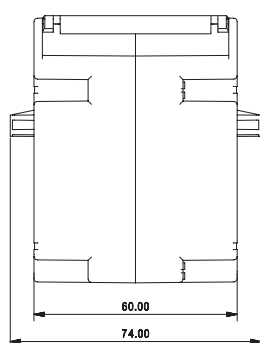
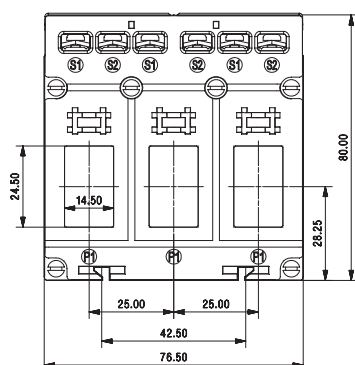
OUTPUT:

5 A

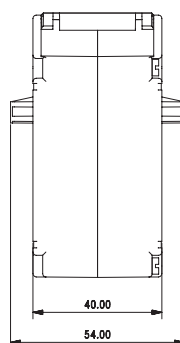
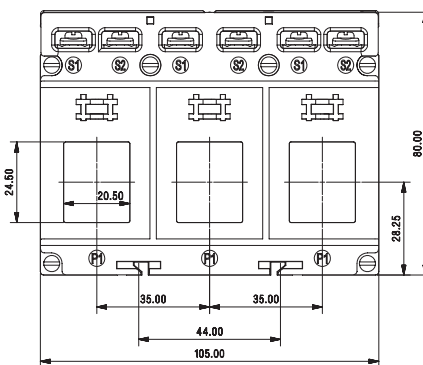
|                   | LCTP 75/15 (60) | LCTP 105/21 (40) | LCTP 140/31 (40) |
|-------------------|-----------------|------------------|------------------|
| Busbar            | 14 x 24 mm      | 20 x 24 mm       | 31 x 36 mm       |
| Depth             | 60 mm           | 40 mm            | 40 mm            |
| Width             | 76.5 mm         | 105 mm           | 140 mm           |
| Primary current   | 100...160 A     | 100...250 A      | 250...500 A      |
| Secondary current | 5 A; 1 A        |                  |                  |
| Accuracy class    | 0.5; 1          |                  |                  |

## DIMENSIONS

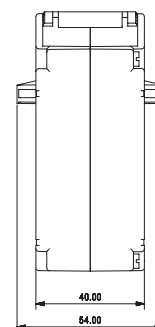
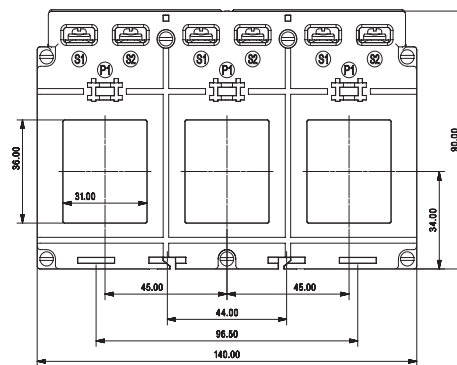
LCTP 75/15 (60)



LCTP 105/21 (40)



LCTP 140/31 (40)



## ORDERING CODES

| Transformer type |                 | LCTP 75/15 (60)    |        | LCTP 105/21 (40) |        | LCTP 140/31 (40) |        |
|------------------|-----------------|--------------------|--------|------------------|--------|------------------|--------|
| Accuracy class   |                 | 0.5                | 1      | 0.5              | 1      | 0.5              | 1      |
| Code             |                 | 5                  | 1      | 5                | 1      | 5                | 1      |
| Code             | Primary current | Transformer burden |        |                  |        |                  |        |
| 0100A            | 100 A           | -                  | 1 VA   | -                | 1 VA   | -                | -      |
| 0125A            | 125 A           | -                  | 1.5 VA | -                | 1.5 VA | -                | -      |
| 0150A            | 150 A           | 1.5 VA             | 1.5 VA | -                | 1.5 VA | -                | -      |
| 0160A            | 160 A           | 1.5 VA             | 1.5 VA | 1.5 VA           | 1.5 VA | -                | -      |
| 0200A            | 200 A           | -                  | -      | 1.5 VA           | 1.5 VA | -                | -      |
| 0250A            | 250 A           | -                  | -      | 1.5 VA           | 1.5 VA | 1.5 VA           | 1.5 VA |
| 0300A            | 300 A           | -                  | -      | -                | -      | 2.5 VA           | 2.5 VA |
| 0400A            | 400 A           | -                  | -      | -                | -      | 2.5 VA           | 2.5 VA |
| 0500A            | 500 A           | -                  | -      | -                | -      | 2.5 VA           | 2.5 VA |
| 0600A            | 600 A           | -                  | -      | -                | -      | 2.5 VA           | 2.5 VA |
| 0630A            | 630 A           | -                  | -      | -                | -      | 2.5 VA           | 2.5 VA |

| Secondary current | Code |
|-------------------|------|
| x/5A              | 5    |
| x/1A              | 1    |

|             |  |  |  |  |  |  |
|-------------|--|--|--|--|--|--|
| LCTP 751560 |  |  |  |  |  |  |
| LCTP 105214 |  |  |  |  |  |  |
| LCTP 140314 |  |  |  |  |  |  |

Ordering example: Order code LCTP 7515600150A55 means the transformer LCTP 75/15(60) 150/5A; Class 0.5; power 1.5VA

ACCESSORIES:  
DIN rail mounting base  
Order code: LH000-0904-130-124



# LCTP - 3-PHASE BUSBAR SERIES

|                   | LCTP 185/27 (45) | LCTP 185/37 (45) |
|-------------------|------------------|------------------|
| Hole              | Ø 27 mm          | Ø 37 mm          |
| Depth             | 45 mm            | 45 mm            |
| Width             | 185 mm           | 185 mm           |
| Primary current   | 100...500 A      | 300...800 A      |
| Secondary current | 5A; 1 A          |                  |
| Accuracy class    | 1                |                  |

INPUT:

100 A  
...  
800 A

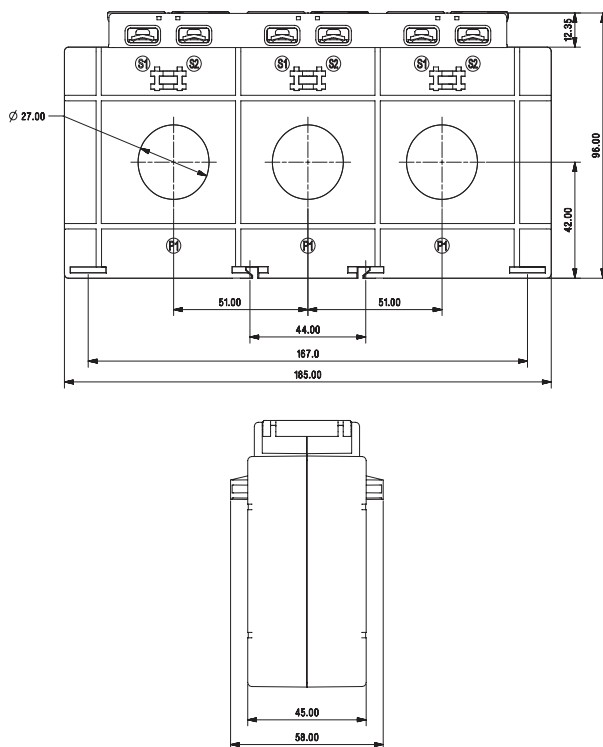
OUTPUT:

5 A

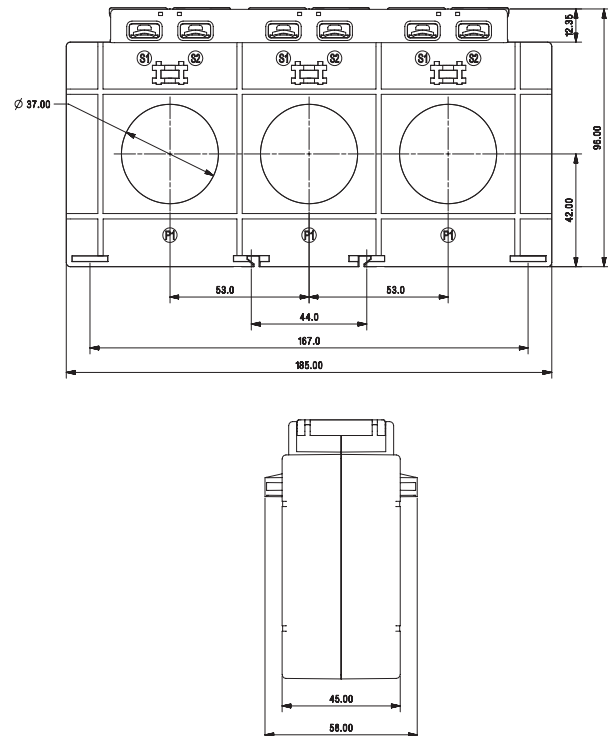


## DIMENSIONS

LCTP 185/27 (45)



LCTP 185/37 (45)



## ORDERING CODES

| Transformer type | LCTP 185/27 (45) | LCTP 185/37 (45) |
|------------------|------------------|------------------|
| Accuracy class   | 1                | 1                |
| Code             | 1                | 1                |

| Code  | Primary current | Transformer burden |        |
|-------|-----------------|--------------------|--------|
| 0100A | 100 A           | 1.5 VA             | -      |
| 0150A | 150 A           | 1.5 VA             | -      |
| 0200A | 200 A           | 2.5 VA             | -      |
| 0250A | 250 A           | 2.5 VA             | -      |
| 0300A | 300 A           | 5 VA               | 2.5 VA |
| 0400A | 400 A           | 5 VA               | 5 VA   |
| 0500A | 500 A           | 5 VA               | 5 VA   |
| 0600A | 600 A           | -                  | 5 VA   |
| 0800A | 800 A           | -                  | 5 VA   |

| Secondary current | Code |
|-------------------|------|
| x/5A              | 5    |
| x/1A              | 1    |

LCTP 185274

LCTP 185374

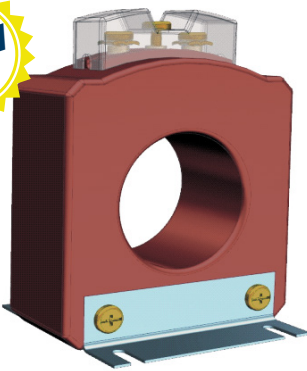
**Ordering example:** Order code LCTP 1852740150A51 means the transformer LCTP 185/27(45) 150/5A; Class 1; power 1.5VA

**ACCESSORIES:**

DIN rail mounting base

Order code: LH000-0904-130-124

# LRC- RESIN CAST SERIES



INPUT:

60 A  
...  
320 A

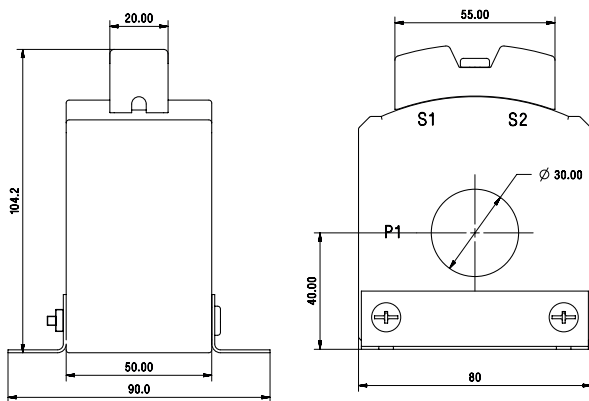
OUTPUT:

5 A 1 A

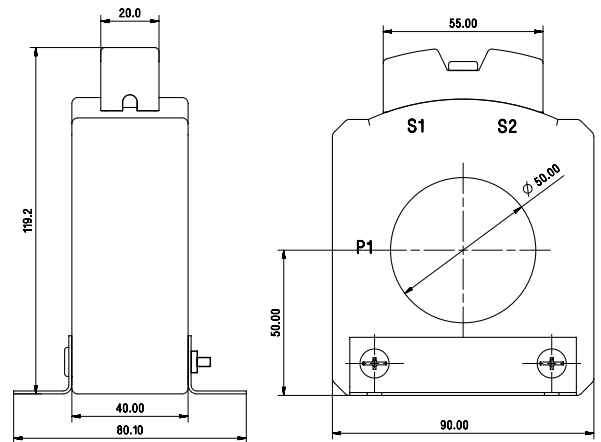
|                   | LRC1 80/30(50) | LRC2 90/50(40) |
|-------------------|----------------|----------------|
| Hole diameter     | Ø 30 mm        | Ø 50 mm        |
| Depth             | 50 mm          | 40 mm          |
| Width             | 80 mm          | 90 mm          |
| Primary current   | 60 A...160 A   | 200 A...320 A  |
| Secondary current | 1 A, 5 A       |                |
| Accuracy class    | 1              |                |

## DIMENSIONS

LRC1 80/30(50)



LRC2 90/50(40)



## ORDERING CODES

| Transformer type | LRC1 80/30(50) | LRC2 90/50(40) |
|------------------|----------------|----------------|
| Accuracy class   | 1              | 1              |
| Code             | 1              | 1              |

| Code  | Primary current | Transformer burden |       |
|-------|-----------------|--------------------|-------|
| 0060A | 60 A            | 1.5 VA             | -     |
| 0100A | 100 A           | 5 VA               | -     |
| 0125A | 125 A           | 5 VA               | -     |
| 0150A | 150 A           | 5 VA               | -     |
| 0160A | 160 A           | 5 VA               | -     |
| 0200A | 200 A           | -                  | 5 VA  |
| 0250A | 250 A           | -                  | 10 VA |
| 0300A | 300 A           | -                  | 10 VA |
| 0320A | 320 A           | -                  | 10 VA |

| Secondary current | Code |
|-------------------|------|
| x/5A              | 5    |
| x/1A              | 1    |

LRC1 803050

LRC2 905040

**Ordering example:** Order code LRC1 8030500150A51 means the transformer LRC1 80/30(50) 150/5A; Class 1; power 5VA

# LRC- RESIN CAST SERIES

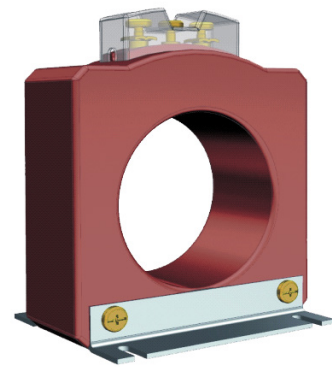
|                   | LRC3 110/72(40) | LRC4 135/85(40) |
|-------------------|-----------------|-----------------|
| Hole diameter     | Ø 72 mm         | Ø 85 mm         |
| Depth             | 40 mm           | 40 mm           |
| Width             | 110 mm          | 135 mm          |
| Primary current   | 400 A...630 A   | 800 A...1250 A  |
| Secondary current | 1 A, 5 A        |                 |
| Accuracy class    | 1               |                 |

INPUT:

400 A  
...  
1250 A

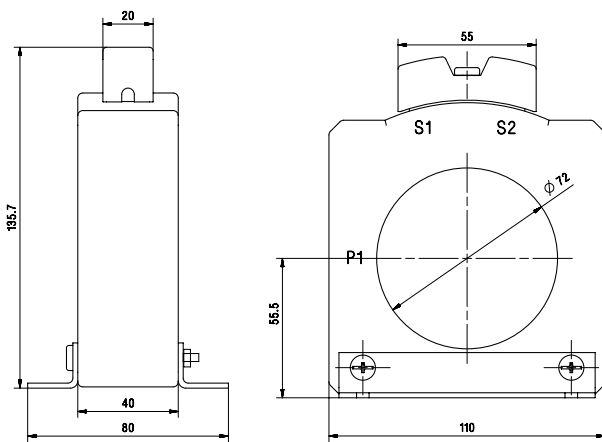
OUTPUTS:

5 A 1 A

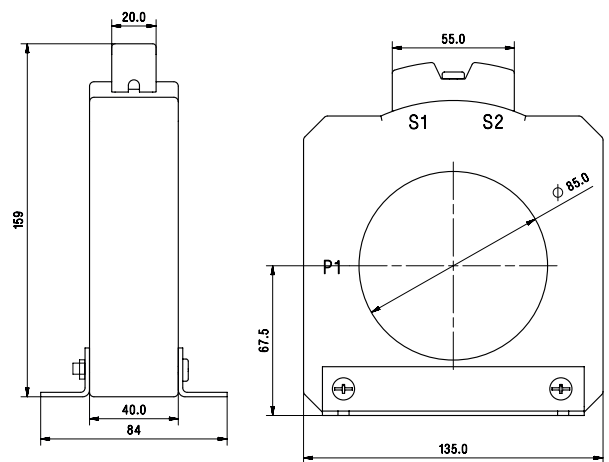


## DIMENSIONS

LRC3 110/72(40)



LRC4 135/85(40)



## ORDERING CODES

| Transformer type |                 | LRC3 110/72(40)    | LRC4 135/85(40) |
|------------------|-----------------|--------------------|-----------------|
| Accuracy class   |                 | 1                  | 1               |
| Code             |                 | 1                  | 1               |
| Code             | Primary current | Transformer burden |                 |
| 0400A            | 400 A           | 10 VA              | -               |
| 0500A            | 500 A           | 15 VA              | -               |
| 0600A            | 600 A           | 15 VA              | -               |
| 0630A            | 630 A           | 15 VA              | -               |
| 0800A            | 800 A           | -                  | 15 VA           |
| 1000A            | 1000 A          | -                  | 15 VA           |
| 1200A            | 1200 A          | -                  | 15 VA           |
| 1250A            | 1250 A          | -                  | 15 VA           |

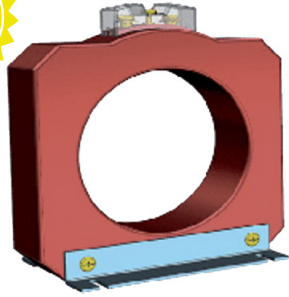
| Secondary current | Code |
|-------------------|------|
| x/5A              | 5    |
| x/1A              | 1    |

|             |  |  |  |  |  |  |  |
|-------------|--|--|--|--|--|--|--|
| LRC3 110724 |  |  |  |  |  |  |  |
| LRC4 135854 |  |  |  |  |  |  |  |

**Ordering example:** Order code LRC3 1107240500A51 means the transformer LRC3 110/72(40) 500/5A; Class 1; power 15VA

# LRC- RESIN CAST SERIES



INPUT:

1500 A  
...  
3200 A

OUTPUTS:

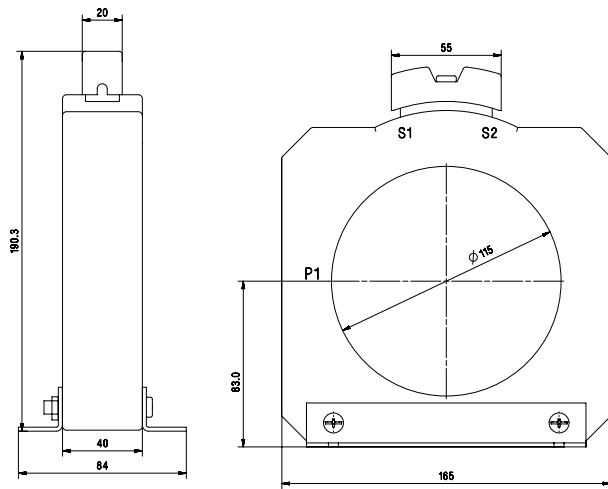
5 A

1 A

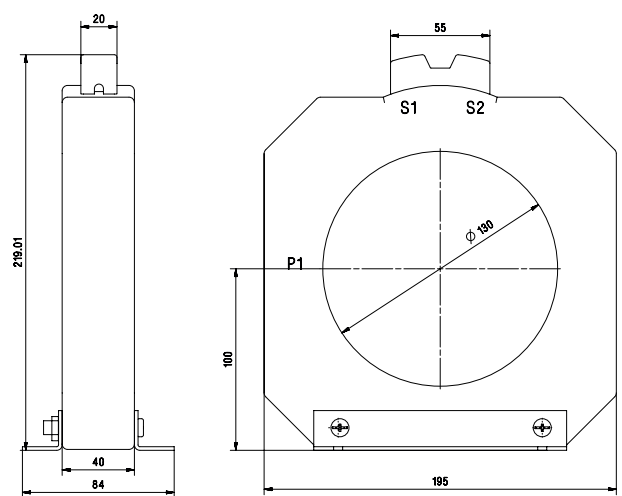
|                   | LRC5 165/115(40) | LRC6 195/130(40) |
|-------------------|------------------|------------------|
| Hole diameter     | Ø 115 mm         | Ø 130 mm         |
| Depth             | 40 mm            | 40 mm            |
| Width             | 165 mm           | 195 mm           |
| Primary current   | 1500 A...2000 A  | 2500 A...3200 A  |
| Secondary current | 1 A, 5 A         |                  |
| Accuracy class    | 1                |                  |

## DIMENSIONS

LRC5 165/115(40)



LRC6 195/130(40)



## ORDERING CODES

| Transformer type | LRC5 165/115(40) | LRC6 195/130(40) |
|------------------|------------------|------------------|
| Accuracy class   | 1                | 1                |
| Code             | 1                | 1                |

| Code  | Primary current | Transformer burden |       |
|-------|-----------------|--------------------|-------|
| 1500A | 1500 A          | 15 VA              | -     |
| 1600A | 1600 A          | 15 VA              | -     |
| 2000A | 2000 A          | 15 VA              | -     |
| 2500A | 2500 A          | -                  | 15 VA |
| 3000A | 3000 A          | -                  | 15 VA |
| 3200A | 3200 A          | -                  | 15 VA |

| Secondary current | Code |
|-------------------|------|
| x/5A              | 5    |
| x/1A              | 1    |

LRC5 165115

LRC6 195130

**Ordering example:** Order code LRC5 1651151500A51 means the transformer LRC5 165/115(40) 1500/5A; Class 1; power 15VA

# LRC- RESIN CAST SERIES

|                   | LRC7 230/165(40) | LRC8 295/200(40) |
|-------------------|------------------|------------------|
| Hole diameter     | Ø 165 mm         | Ø 200 mm         |
| Depth             | 40 mm            | 40 mm            |
| Width             | 230 mm           | 295 mm           |
| Primary current   | 3000 A...3200 A  | 4000 A...5000 A  |
| Secondary current | 1 A, 5 A         |                  |
| Accuracy class    | 1                |                  |

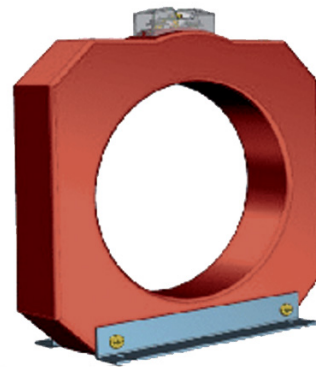
INPUT:

3000 A  
...  
5000 A

OUTPUTS:

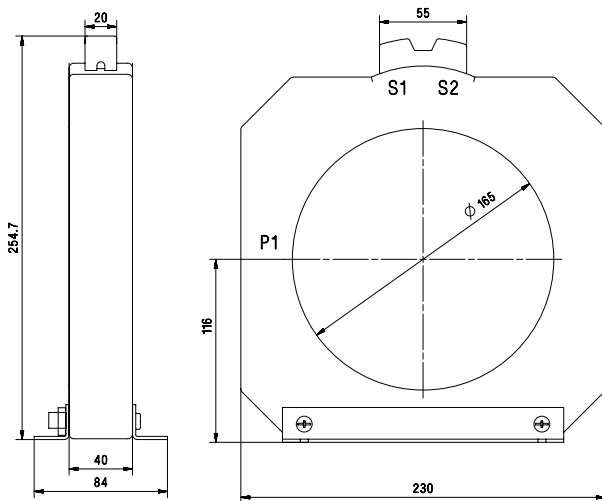
5 A

1 A

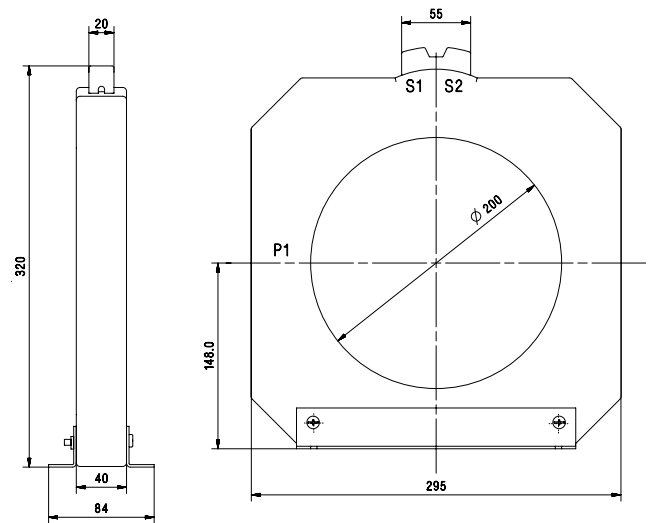


## DIMENSIONS

LRC7 230/165(40)



LRC8 295/200(40)



## ORDERING CODES

| Transformer type | LRC7 230/165(40) | LRC8 295/200(40) |
|------------------|------------------|------------------|
| Accuracy class   | 1                | 1                |
| Code             | 1                | 1                |

| Code  | Primary current | Transformer burden |       |
|-------|-----------------|--------------------|-------|
| 3000A | 3000 A          | 15 VA              | -     |
| 3200A | 3200 A          | 15 VA              | -     |
| 4000A | 4000 A          | -                  | 15 VA |
| 5000A | 5000 A          | -                  | 15 VA |

| Secondary current | Code |
|-------------------|------|
| x/5A              | 5    |
| x/1A              | 1    |

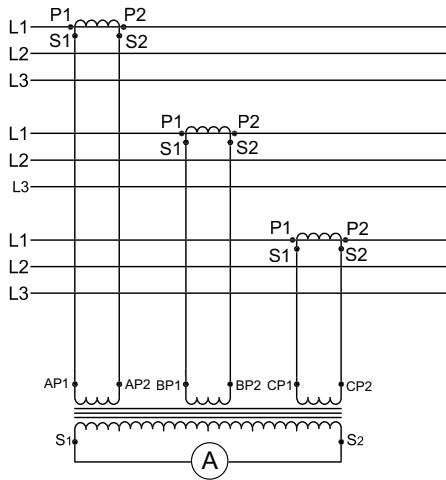
LRC7 230165

LRC8 295200

**Ordering example:** Order code LRC7 2301653200A51 means the transformer LRC7 230/165(40) 3200/5A; Class 1; power 15VA

# LU01 - SUMMATION CURRENT TRANSFORMERS

**SUMMATION CURRENT TRANSFORMER** are designed to summarize several synchronous alternating currents of equal phase relation with any angle of phase difference. They are used to add secondary currents of several main c.t.'s in order to measure with the CT only.



Current measurement in phase L1

## AN EXAMPLE OF POWER SELECTION FOR MAIN TRANSFORMERS WITH DIFFERENT TRANSMISSIONS

Main Transformer ratio:

$$\begin{array}{r} 500/5A \\ 400/5A \\ \hline 300/5A \\ \hline \text{Total current} = 1200/5A \end{array}$$

Burden - 1 Ammeter

Required Active performance of the Current Transformer:

|                             |               |
|-----------------------------|---------------|
| Ammeter                     | 1.5 VA        |
| Measurement Conductor Loss  | 1.5 VA        |
| Consumption in Summation CT | 4.0 VA        |
| <b>Total VA</b>             | <b>7.0 VA</b> |

The individual main transformer must provide it's VA share from this 7.0 VA.

1. Main transformer 500/ 5A  $(500/ 1200) \times 7 = 2.92 \text{ VA} + \text{additional losses} \approx 3.75 \text{ VA}^*$
2. Main transformer 400/ 5A  $(400/ 1200) \times 7 = 2.33 \text{ VA} + \text{additional losses} \approx 2.5 \text{ VA}^*$
3. Main transformer 300/ 5A  $(300/ 1200) \times 7 = 1.75 \text{ VA} + \text{additional losses} \approx 2.5 \text{ VA}^*$

\* The VA values of the main transformer are to be rounded up to the corresponding values in our chart.

**Note:** If using unequal main c.t.'s than ration of lowest primary main c.t. current to the highest one should not exceed 1:8.

## FEATURES:

- Available current transformers versions with 2 to 8 primary windings.
- Nickel plated secondary terminals with +/- screws.
- Multiple mounting methods, including wall mounting, DIN rail 35mm.
- Terminal protection IP10.

## GENERAL SPECIFICATION

|                                                              |                                                                       |
|--------------------------------------------------------------|-----------------------------------------------------------------------|
| <b>Applicable standard:</b>                                  | IEC 61869-1/2                                                         |
| <b>Case:</b>                                                 | self-extinguishing plastic                                            |
| <b>Connection:</b>                                           | Two connection on each side. M4 screws with self lifting clamp strap. |
| <b>Insulation class:</b>                                     | E (max 120°C)                                                         |
| <b>Maximum system voltage:</b>                               | 0.72 kV                                                               |
| <b>Operating frequency:</b>                                  | 50/60 Hz                                                              |
| <b>Test voltage:</b>                                         | 3 kV, 50 Hz, 1 min                                                    |
| <b>Rated primary rating:</b>                                 | (2...8) x 5A                                                          |
| <b>Rated secondary output:</b>                               | 5A                                                                    |
| <b>Rated burden:</b>                                         | 5; 10; 15; 20; 25 VA                                                  |
| <b>Accuracy class:</b>                                       | 0.5; 1                                                                |
| <b>Ambient temperature:</b>                                  | -25°C ... +40°C                                                       |
| <b>Storage temperature:</b>                                  | -50°C ... +80°C                                                       |
| <b>Thermal short circuit current (<math>I_{th}</math>):</b>  | 60 x $I_n$                                                            |
| <b>Dynamic short circuit current (<math>I_{dyn}</math>):</b> | 2,5 x $I_{th}$                                                        |
| <b>Instrument security factor (FS):</b>                      | 5,10                                                                  |

## FEATURES:

720 V

Class  
0.5  
1

## OUTPUTS:

5 A

# LU01- SUMMATION CURRENT TRANSFORMERS

**NEW**

INPUTS:

2 x 5A  
...  
4 x 5A

OUTPUTS:

5A

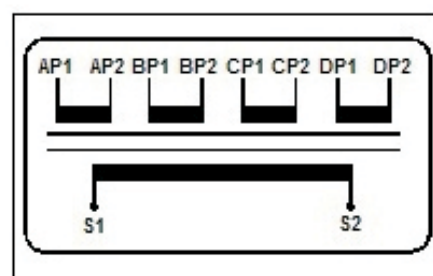
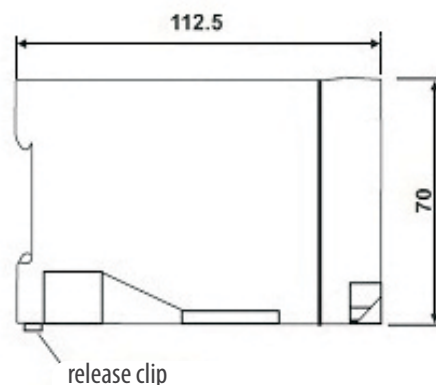
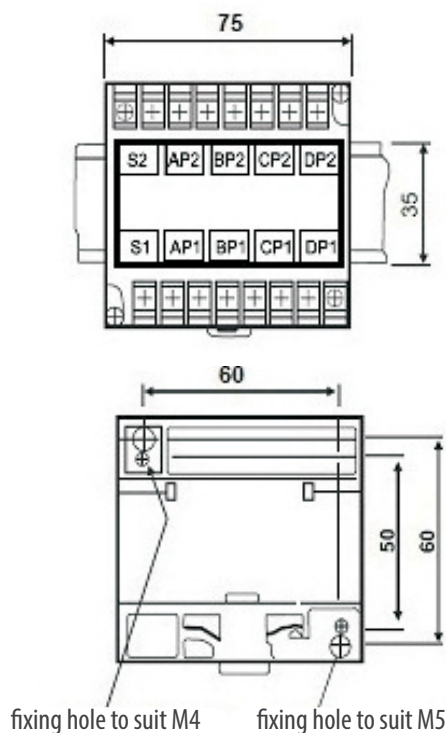


CE

|                   | LU01 (75)       |
|-------------------|-----------------|
| Depth             | 70 mm           |
| Width             | 75 mm           |
| Inputs            | 2 x 5A...4 x 5A |
| Secondary current | 5 A             |
| Accuracy class    | 0.5; 1          |

## DIMENSIONS

LU01 (75)



terminal description

## ORDERING CODES

| Transformer type |        | LU01 (75)          |       |
|------------------|--------|--------------------|-------|
| Accuracy class   |        | 0.5                | 1     |
| Code             |        | 5                  | 1     |
| Code             | Inputs | Transformer burden |       |
| 02               | 2 x 5A | 5 VA               | 5 VA  |
|                  |        | 10 VA              | 10 VA |
|                  |        | 15 VA              | 15 VA |
|                  |        | -                  | 20 VA |
|                  |        | -                  | 25 VA |
| 03               | 3 x 5A | 5 VA               | 5 VA  |
|                  |        | 10 VA              | 10 VA |
|                  |        | 15 VA              | 15 VA |
|                  |        | -                  | 20 VA |
|                  |        | -                  | 25 VA |
| 04               | 4 x 5A | 5 VA               | 5 VA  |
|                  |        | 10 VA              | 10 VA |
|                  |        | 15 VA              | 15 VA |
|                  |        | -                  | 20 VA |
|                  |        | -                  | 25 VA |

LU01 02 5 11 10 L00000

**Ordering example:** Order code LU01 0255111L00000 means the summation transformer LU01 (75), INPUTS: 2x 5A, Class 1, 10 VA

# LU01- SUMMATION CURRENT TRANSFORMERS



INPUTS:

5 x 5A  
...  
8 x 5A

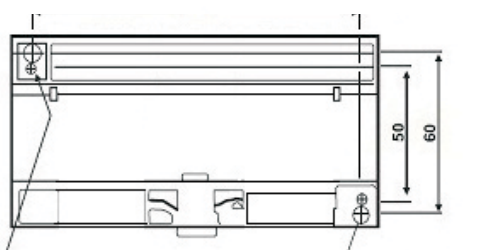
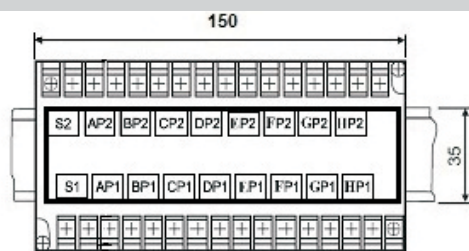
OUTPUTS:

5 A

|                   | LU01 (150)      |
|-------------------|-----------------|
| Depth             | 70 mm           |
| Width             | 150 mm          |
| Inputs            | 5 x 5A...8 x 5A |
| Secondary current | 5 A             |
| Accuracy class    | 0.5; 1          |

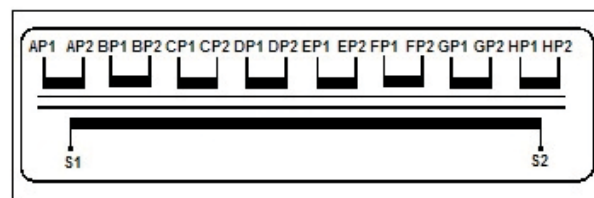
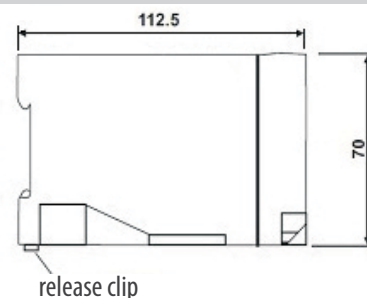
## DIMENSIONS

LU01 (150)



fixing hole to suit M4

fixing hole to suit M5



terminal description

## ORDERING CODES

| Transformer type |        | LU01 (150)         |       |      |
|------------------|--------|--------------------|-------|------|
| Accuracy class   |        | 0.5                | 1     |      |
| Code             |        | 5                  | 1     |      |
| Code             | Inputs | Transformer burden |       | Code |
| 05               | 5 x 5A | 5 VA               | 5 VA  | 08   |
|                  |        | 10 VA              | 10 VA | 11   |
|                  |        | 15 VA              | 15 VA | 13   |
|                  |        | -                  | 20 VA | 14   |
|                  |        | -                  | 25 VA | 17   |
| 06               | 6 x 5A | 5 VA               | 5 VA  | 08   |
|                  |        | 10 VA              | 10 VA | 11   |
|                  |        | 15 VA              | 15 VA | 13   |
|                  |        | -                  | 20 VA | 14   |
|                  |        | -                  | 25 VA | 17   |
| 07               | 7 x 5A | 5 VA               | 5 VA  | 08   |
|                  |        | 10 VA              | 10 VA | 11   |
|                  |        | 15 VA              | 15 VA | 13   |
|                  |        | -                  | 20 VA | 14   |
|                  |        | -                  | 25 VA | 17   |
| 08               | 8 x 5A | 5 VA               | 5 VA  | 08   |
|                  |        | 10 VA              | 10 VA | 11   |
|                  |        | 15 VA              | 15 VA | 13   |
|                  |        | -                  | 20 VA | 14   |
|                  |        | -                  | 25 VA | 17   |

LU01   55   L00000

**Ordering example:** Order code LU01 0555111L000  
tion transformer LU01 (150), INPUTS: 5x 5A, Class 1,

LU01 05 55 11 L00000

**Ordering example:** Order code LU01 055511L00000 means the summation transformer LU01 (150), INPUTS: 5x 5A, Class 1, 10 VA



# LW- ROUND CURRENT TRANSFORMERS

|                   | LW01         | LW02              |
|-------------------|--------------|-------------------|
| Hole diameter     | Ø 30 mm      | Ø 30 mm           |
| Depth             | 40 mm        | 50 mm             |
| Outer diameter    | Ø 73 mm      | Ø 73 mm           |
| Primary current   | 50 A...200 A | 50 A...200 A      |
| Secondary current | 1 A, 5 A     |                   |
| Accuracy class    | 0.5; 1       | 0.2; 0.5S; 0.5; 1 |

INPUT:

50 A  
...  
200 A

OUTPUTS:

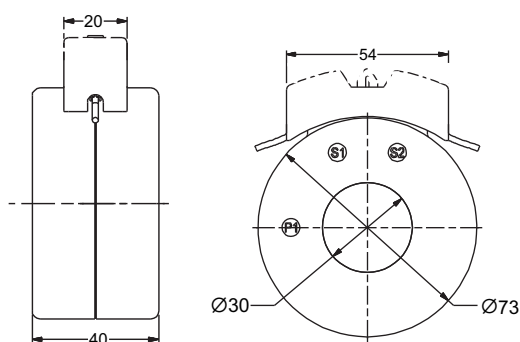
5 A

1 A

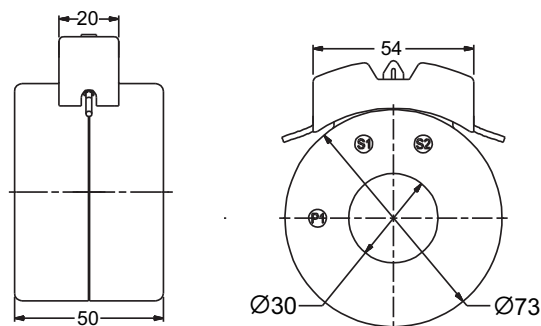


## DIMENSIONS

LW01



LW02



## ORDERING CODES

| Transformer type |                       | LW01               |     |         |     | LW02   |     |        |     |        |        |        |  |
|------------------|-----------------------|--------------------|-----|---------|-----|--------|-----|--------|-----|--------|--------|--------|--|
| Accuracy class   |                       | 0.5                |     | 1       |     | 0.2    |     | 0.5S   |     | 0.5    |        | 1      |  |
| Code             | Rated primary current | Transformer burden |     |         |     |        |     |        |     |        |        |        |  |
| 13               | 50 A                  | -                  | -   | 1.5 VA  | 031 | -      | -   | -      | -   | -      | 1.5 VA | -      |  |
| 14               | 60 A                  | -                  | -   | 1.5 VA  | 031 | -      | -   | -      | -   | -      | 1.5 VA | -      |  |
| 16               | 75 A                  | -                  | -   | 1.5 VA  | 031 | -      | -   | -      | -   | 1.5 VA | 035    | 2.5 VA |  |
| 18               | 100A                  | 1.5 VA             | 035 | 2.5 VA  | 051 | -      | -   | -      | -   | 2.5 VA | 055    | 5 VA   |  |
| 19               | 120A                  | 1.5 VA             | 035 | 2.5 VA  | 051 | -      | -   | -      | -   | 2.5 VA | 055    | 5 VA   |  |
| 20               | 125 A                 | 2.5 VA             | 055 | 3.75 VA | 071 | -      | -   | -      | -   | 2.5 VA | 055    | 5 VA   |  |
| 22               | 150 A                 | 2.5 VA             | 055 | 5 VA    | 081 | -      | -   | 2.5 VA | 056 | 5 VA   | 085    | 10 VA  |  |
| 24               | 200 A                 | 5 VA               | 085 | 10 VA   | 111 | 2.5 VA | 052 | 5 VA   | 086 | 10 VA  | 115    | 15 VA  |  |

LW

L000000

| Transformer type | Code |
|------------------|------|
| LW01             | 01   |
| LW02             | 02   |

| Secondary current | Code |
|-------------------|------|
| x/5A              | 5    |
| x/1A              | 1    |

LW [ ] [ ] [ ] [ ] [ ] [ ] L000000

| Transformer type | Code |
|------------------|------|
| LW01             | 01   |
| LW02             | 02   |

| Secondary current | Code |
|-------------------|------|
| x/5A              | 5    |
| x/1A              | 1    |

Ordering example: Order code LW 01185035L000000 means the transformer LW01 100/5A; Class 0,5; power 1.5VA

# LW- ROUND CURRENT TRANSFORMERS



INPUT:

75 A  
...  
600 A

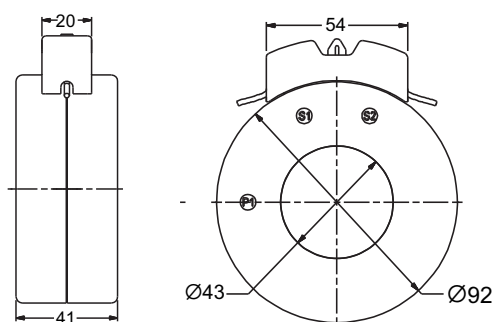
OUTPUTS:

5 A 1 A

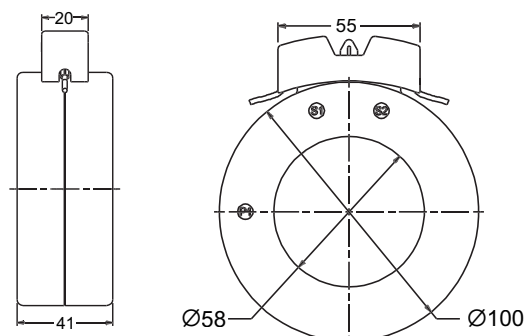
|                   | LW03              | LW04          |
|-------------------|-------------------|---------------|
| Hole diameter     | Ø 43 mm           | Ø 58 mm       |
| Depth             | 41 mm             | 41 mm         |
| Outer diameter    | Ø 92 mm           | Ø 100 mm      |
| Primary current   | 75 A...300 A      | 120 A...600 A |
| Secondary current | 1 A, 5 A          |               |
| Accuracy class    | 0.2; 0.5S; 0.5; 1 |               |

## DIMENSIONS

LW03



LW04



## ORDERING CODES

|      | Transformer type      | LW03               |      |        |     |        |     |         | LW04 |        |     |         |     |        |        |        |  |
|------|-----------------------|--------------------|------|--------|-----|--------|-----|---------|------|--------|-----|---------|-----|--------|--------|--------|--|
|      | Accuracy class        | 0.2                | 0.5S |        | 0.5 |        | 1   |         | 0.2  | 0.5S   |     | 0.5     |     | 1      |        |        |  |
| Code | Rated primary current | Transformer burden |      |        |     |        |     |         |      |        |     |         |     |        |        |        |  |
| 16   | 75 A                  | -                  | -    | -      | -   | -      | -   | 1 VA    | 011  | -      | -   | -       | -   | -      | -      | -      |  |
| 17   | 80 A                  | -                  | -    | -      | -   | -      | -   | 1.5 VA  | 031  | -      | -   | -       | -   | -      | -      | -      |  |
| 18   | 100A                  | -                  | -    | -      | -   | 1 VA   | 015 | 2.5 VA  | 051  | -      | -   | -       | -   | -      | -      | -      |  |
| 19   | 120A                  | -                  | -    | -      | -   | 1 VA   | 015 | 2.5 VA  | 051  | -      | -   | -       | -   | -      | 1 VA   | 011    |  |
| 20   | 125 A                 | -                  | -    | -      | -   | 1 VA   | 015 | 2.5 VA  | 051  | -      | -   | -       | -   | -      | 1.5 VA | 031    |  |
| 22   | 150 A                 | -                  | -    | -      | -   | 1.5 VA | 035 | 3.75 VA | 071  | -      | -   | -       | -   | 1 VA   | 015    | 2.5 VA |  |
| 24   | 200 A                 | 1.5 VA             | 032  | 5 VA   | 086 | 5 VA   | 085 | 10 VA   | 111  | -      | -   | 1.5 VA  | 036 | 2.5 VA | 055    | 5 VA   |  |
| 27   | 250 A                 | 2.5 VA             | 052  | 7.5 VA | 106 | 7.5 VA | 105 | 15 VA   | 131  | -      | -   | 2.5 VA  | 056 | 3.75   | 075    | 7.5 VA |  |
| 28   | 300 A                 | 3.75 VA            | 072  | 10 VA  | 116 | 10 VA  | 115 | 20 VA   | 141  | -      | -   | 3.75 VA | 076 | 5 VA   | 085    | 10 VA  |  |
| 31   | 400 A                 | -                  | -    | -      | -   | -      | -   | -       | -    | 5 VA   | 082 | 7.5 VA  | 106 | 10 VA  | 115    | 20 VA  |  |
| 32   | 500 A                 | -                  | -    | -      | -   | -      | -   | -       | -    | 7.5 VA | 102 | 10 VA   | 116 | 15 VA  | 135    | 25 VA  |  |
| 33   | 600 A                 | -                  | -    | -      | -   | -      | -   | -       | -    | 10 VA  | 112 | 15 VA   | 136 | 15 VA  | 135    | 25 VA  |  |

Code

LW             L000000

| Transformer type | Code |
|------------------|------|
| LW03             | 03   |
| LW04             | 04   |

| Secondary current | Code |
|-------------------|------|
| x/5A              | 5    |
| x/1A              | 1    |

Ordering example: Order code LW 03185015L000000 means the transformer LW03 100/5A; Class 0.5; power 1VA

# LW- ROUND CURRENT TRANSFORMERS

|                   | LW05              | LW06           |
|-------------------|-------------------|----------------|
| Hole diameter     | Ø 72 mm           | Ø 113 mm       |
| Depth             | 41 mm             | 40 mm          |
| Outer diameter    | Ø 110 mm          | Ø 159 mm       |
| Primary current   | 200 A...1000 A    | 600 A...3200 A |
| Secondary current | 1 A, 5 A          |                |
| Accuracy class    | 0.2; 0.5S; 0.5; 1 |                |

INPUT:

200 A  
...  
3200 A

OUTPUTS:

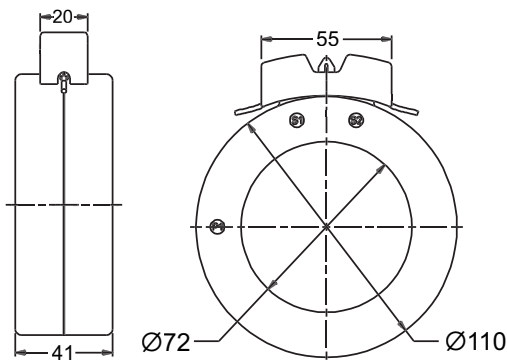
5 A

1 A

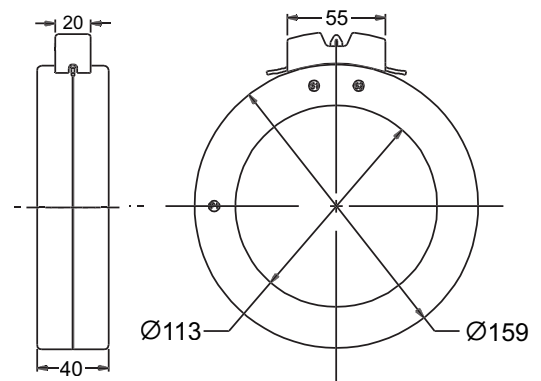


## DIMENSIONS

LW05



LW06



## ORDERING CODES

| Code           | Rated primary current | LW05               |      |        |     |        |      |         |        | LW06               |      |         |     |       |      |       |     |
|----------------|-----------------------|--------------------|------|--------|-----|--------|------|---------|--------|--------------------|------|---------|-----|-------|------|-------|-----|
|                |                       | Transformer burden |      |        |     |        |      |         |        | Transformer burden |      |         |     |       |      |       |     |
| Accuracy class |                       | 0.2                | 0.5S | 0.5    | 1   | 0.2    | 0.5S | 0.5     | 1      | 0.2                | 0.5S | 0.5     | 1   | 0.2   | 0.5S | 0.5   | 1   |
| 24             | 200 A                 | -                  | -    | -      | -   | -      | -    | -       | 1.5 VA | 031                | -    | -       | -   | -     | -    | -     | -   |
| 27             | 250 A                 | -                  | -    | -      | -   | 1.5 VA | 035  | 2.5 VA  | 051    | -                  | -    | -       | -   | -     | -    | -     | -   |
| 28             | 300 A                 | -                  | -    | -      | -   | 2.5 VA | 055  | 5 VA    | 081    | -                  | -    | -       | -   | -     | -    | -     | -   |
| 31             | 400 A                 | 2.5 VA             | 052  | 5 VA   | 086 | 7.5 VA | 105  | 12.5 VA | 121    | -                  | -    | -       | -   | -     | -    | -     | -   |
| 32             | 500 A                 | 3.75 VA            | 072  | 7.5 VA | 106 | 10 VA  | 115  | 15 VA   | 131    | -                  | -    | -       | -   | -     | -    | -     | -   |
| 33             | 600 A                 | 5 VA               | 082  | 7.5 VA | 106 | 10 VA  | 115  | 15 VA   | 131    | 1.5 VA             | 032  | 3.75 VA | 076 | 5 VA  | 085  | 10 VA | 111 |
| 37             | 800 A                 | 10 VA              | 112  | 15 VA  | 136 | 15 VA  | 135  | 30 VA   | 151    | 2.5 VA             | 052  | 7.5 VA  | 106 | 10 VA | 115  | 15 VA | 131 |
| 39             | 1000 A                | 10 VA              | 112  | 15 VA  | 136 | 15 VA  | 135  | 30 VA   | 151    | 3.75 VA            | 072  | 7.5 VA  | 106 | 10 VA | 115  | 15 VA | 131 |
| 40             | 1200 A                | -                  | -    | -      | -   | -      | -    | -       | -      | 15 VA              | 132  | 15 VA   | 136 | 20 VA | 145  | 30 VA | 151 |
| 41             | 1250 A                | -                  | -    | -      | -   | -      | -    | -       | -      | 15 VA              | 132  | 15 VA   | 136 | 20 VA | 145  | 30 VA | 151 |
| 42             | 1500 A                | -                  | -    | -      | -   | -      | -    | -       | -      | 15 VA              | 132  | 15 VA   | 136 | 20 VA | 145  | 30 VA | 151 |
| 43             | 1600 A                | -                  | -    | -      | -   | -      | -    | -       | -      | 15 VA              | 132  | 15 VA   | 136 | 20 VA | 145  | 30 VA | 151 |
| 44             | 2000 A                | -                  | -    | -      | -   | -      | -    | -       | -      | 15 VA              | 132  | 20 VA   | 146 | 25 VA | 205  | 45 VA | 161 |
| 46             | 2500 A                | -                  | -    | -      | -   | -      | -    | -       | -      | 15 VA              | 132  | 20 VA   | 146 | 25 VA | 205  | 45 VA | 161 |
| 48             | 3000 A                | -                  | -    | -      | -   | -      | -    | -       | -      | 15 VA              | 132  | 25 VA   | 206 | 30 VA | 155  | 45 VA | 161 |
| 49             | 3200 A                | -                  | -    | -      | -   | -      | -    | -       | -      | 15 VA              | 132  | 25 VA   | 206 | 30 VA | 155  | 45 VA | 161 |

Code

LW 05 28 50 55 L000000

| Transformer type | Code |
|------------------|------|
| LW05             | 05   |
| LW06             | 06   |

| Secondary current | Code |
|-------------------|------|
| x/5A              | 5    |
| x/1A              | 1    |

Ordering example: Order code LW 05285055L000000 means the transformer LW05 300/5A; Class 0.5; power 2.5VA

# LE - ROUND CURRENT TRANSFORMERS



INPUT:

50 A  
...  
600 A

OUTPUTS:

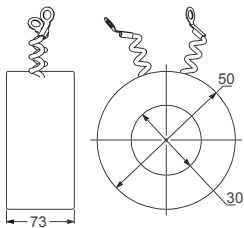
5 A

1 A

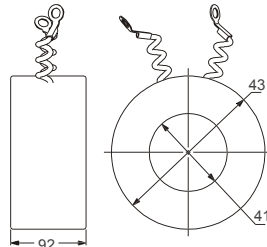
|                   | LE 73/30 (50) | LE 92/43 (41) | LE 95/50 (40) | LE 100/58 (41) |
|-------------------|---------------|---------------|---------------|----------------|
| Hole diameter     | Ø 30 mm       | Ø 43 mm       | Ø 50 mm       | Ø 58 mm        |
| Depth             | 50 mm         | 41 mm         | 40 mm         | 50 mm          |
| Outer diameter    | Ø 73 mm       | Ø 92 mm       | Ø 95 mm       | Ø 73 mm        |
| Primary current   | 50 A...200 A  | 200 A...400 A | 200 A...300 A | 400 A...600 A  |
| Secondary current | 1 A, 5 A      |               |               |                |
| Accuracy class    | 1; 5          | 1             |               |                |

## DIMENSIONS

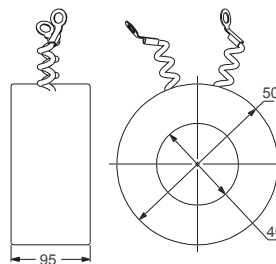
LE 73/30 (50)



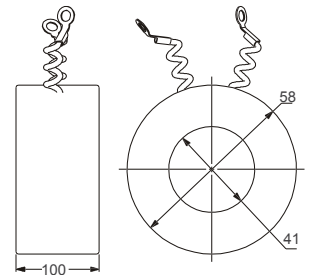
LE 92/43 (41)



LE 95/50 (40)



LE 100/58 (41)



## ORDERING CODES

|      | Transformer type      | LE 73/30 (50)      |     |    |     |      |     | LE 92/43 (41) |     |       |     |       |     | LE 95/50 (40) |     |       |     |       |     | LE 100/58 (41) |     |       |     |
|------|-----------------------|--------------------|-----|----|-----|------|-----|---------------|-----|-------|-----|-------|-----|---------------|-----|-------|-----|-------|-----|----------------|-----|-------|-----|
|      | Accuracy class        | 1                  |     |    | 5   |      |     | 1             |     |       |     |       |     | 1             |     |       |     |       |     | 1              |     |       |     |
| Code | Rated primary current | Transformer burden |     |    |     |      |     |               |     |       |     |       |     |               |     |       |     |       |     |                |     |       |     |
| 13   | 50 A                  | -                  | -   | -  | -   | 5 VA | 087 | -             | -   | -     | -   | -     | -   | -             | -   | -     | -   | -     | -   | -              | -   | -     |     |
| 14   | 60 A                  | -                  | -   | -  | -   | 5 VA | 087 | -             | -   | -     | -   | -     | -   | -             | -   | -     | -   | -     | -   | -              | -   | -     |     |
| 16   | 75 A                  | -                  | -   | -  | -   | 5 VA | 087 | -             | -   | -     | -   | -     | -   | -             | -   | -     | -   | -     | -   | -              | -   | -     |     |
| 18   | 100 A                 | 5 VA               | 081 | -  | -   | -    |     | -             | -   | -     | -   | -     | -   | -             | -   | -     | -   | -     | -   | -              | -   | -     |     |
| 22   | 150 A                 | 5 VA               | 081 | -  | -   | -    |     | -             | -   | -     | -   | -     | -   | -             | -   | -     | -   | -     | -   | -              | -   | -     |     |
| 24   | 200 A                 | 5 VA               | 081 | 15 | 131 | -    |     | 5 VA          | 081 | 10 VA | 111 | 15 VA | 131 | 5 VA          | 081 | 10 VA | 111 | 15 VA | 131 | -              | -   | -     | -   |
| 27   | 250 A                 | -                  |     | -  |     | -    |     | 5 VA          | 081 | 10 VA | 111 | 15 VA | 131 | 5 VA          | 081 | 10 VA | 111 | 15 VA | 131 | -              | -   | -     | -   |
| 28   | 300 A                 | -                  |     | -  |     | -    |     | 5 VA          | 081 | 10 VA | 111 | 15 VA | 131 | 5 VA          | 081 | 10 VA | 111 | 15 VA | 131 | -              | -   | -     | -   |
| 31   | 400 A                 | -                  |     | -  |     | -    |     | 5 VA          | 081 | -     |     | 15 VA | 131 | -             |     | -     |     | -     |     | 5 VA           | 081 | 15 VA | 131 |
| 32   | 500 A                 | -                  |     |    |     | -    |     | -             |     | -     |     | -     |     | -             |     | -     |     | -     |     | 5 VA           | 081 | 15 VA | 131 |
| 33   | 600 A                 | -                  |     | -  |     | -    |     | -             |     | -     |     | -     |     | -             |     | -     |     | -     |     | 5 VA           | 081 | 15 VA | 131 |

Code

LE 01 03 04 05 L000000

| Transformer type | Code |
|------------------|------|
| LE 73/30 (50)    | 01   |
| LE 92/43 (41)    | 03   |
| LE 95/50 (40)    | 04   |
| LE 100/58 (41)   | 05   |

| Secondary current | Code |
|-------------------|------|
| x/5A              | 5    |
| x/1A              | 1    |

Ordering example: Order code LE 01185081L000000 means the transformer LE 73/30(50) 100/5A; Class 1; power 5VA

# LE - ROUND CURRENT TRANSFORMERS

|                   | LE 110/72 (41) | LE 135/85 (30) | LE 159/113 (40) | LE 165/130 (30) |
|-------------------|----------------|----------------|-----------------|-----------------|
| Hole diameter     | Ø 72 mm        | Ø 85 mm        | Ø 113 mm        | Ø 130 mm        |
| Depth             | 41 mm          | 30 mm          | 40 mm           | 30 mm           |
| Outer diameter    | Ø 110 mm       | Ø 135 mm       | Ø 159 mm        | Ø 165 mm        |
| Primary current   | 800 A...1000 A | 800 A...1200 A | 1200 A...2000 A | 2400 A...5000 A |
| Secondary current | 1 A, 5 A       |                |                 |                 |
| Accuracy class    | 1              |                |                 |                 |

INPUT:

800 A  
...  
5000 A

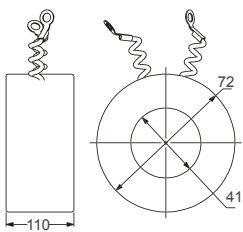
OUTPUTS:

5 A 1 A

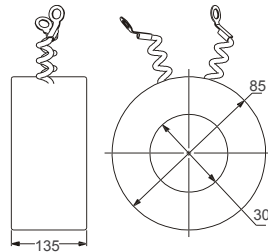


## DIMENSIONS

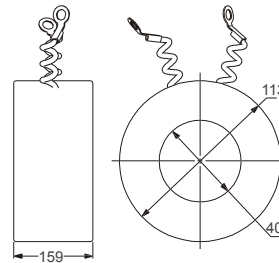
LE 110/72 (41)



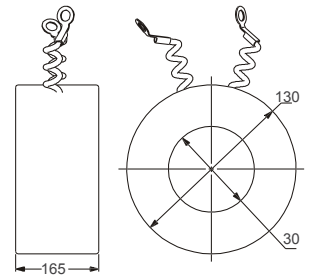
LE 135/85 (30)



LE 159/113 (40)



LE 165/130 (30)



## ORDERING CODES

|      | Transformer type      | LE 110/72 (41)     |     |       |     | LE 135/85 (30) |     |       |     | LE 159/113 (40) |     | LE 165/130 (30) |     |
|------|-----------------------|--------------------|-----|-------|-----|----------------|-----|-------|-----|-----------------|-----|-----------------|-----|
|      | Accuracy class        | 1                  |     |       |     | 1              |     |       |     | 1               |     | 1               |     |
| Code | Rated primary current | Transformer burden |     |       |     |                |     |       |     |                 |     |                 |     |
| 37   | 800 A                 | 5 VA               | 081 | 15 VA | 131 | 5 VA           | 081 | 15 VA | 131 | -               | -   | -               | -   |
| 39   | 1000 A                | 5 VA               | 081 | 15 VA | 131 | 5 VA           | 081 | 15 VA | 131 | -               | -   | -               | -   |
| 40   | 1200 A                | -                  |     | -     |     | -              |     | 15 VA | 131 | 15 VA           | 131 | -               | -   |
| 42   | 1500 A                | -                  |     | -     |     | -              |     | -     |     | 15 VA           | 131 | -               | -   |
| 43   | 1600 A                | -                  |     | -     |     | -              |     | -     |     | 15 VA           | 131 | -               | -   |
| 44   | 2000 A                | -                  |     | -     |     | -              |     | -     |     | 15 VA           | 131 | -               | -   |
| 45   | 2400 A                | -                  |     | -     |     | -              |     | -     |     | -               |     | 15 VA           | 131 |
| 46   | 2500 A                | -                  |     | -     |     | -              |     | -     |     | -               |     | 15 VA           | 131 |
| 48   | 3000 A                | -                  |     | -     |     | -              |     | -     |     | -               |     | 15 VA           | 131 |
| 51   | 4000 A                | -                  |     | -     |     | -              |     | -     |     | -               |     | 15 VA           | 131 |
| 52   | 5000 A                | -                  |     | -     |     | -              |     | -     |     | -               |     | 15 VA           | 131 |

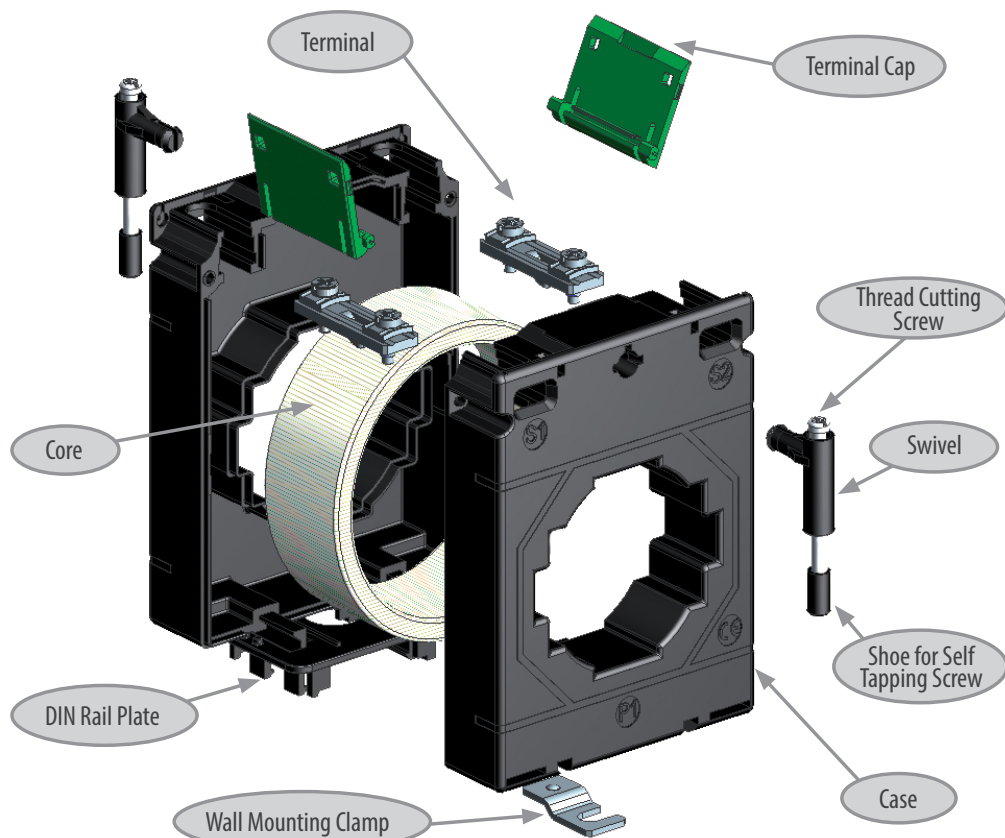
Code

LE [ ] [ ] [ ] [ ] [ ] [ ] L000000

| Transformer type | Code |
|------------------|------|
| LE 110/72 (41)   | 06   |
| LE 135/85 (30)   | 07   |
| LE 159/113 (41)  | 08   |
| LE 165/130 (30)  | 09   |

| Secondary current | Code |
|-------------------|------|
| x/5A              | 5    |
| x/1A              | 1    |

Ordering example: Order code LE 06395081L000000 means the transformer LE 110/72(41) 1000/5A; Class 1; power 5VA



## DIN rail mounting base:

(additional accessories - have to be order separatly)

| Order code                                                  | Transformer type                                                        | View |
|-------------------------------------------------------------|-------------------------------------------------------------------------|------|
| LH000-0904-130-123                                          | LCTR 50/xx (30)<br>LCTB 50/xx (30)                                      |      |
| LH000-0904-130-002                                          | LCTR 45, LCTB 45                                                        |      |
| LH000-0904-130-124                                          | LCTM<br>LCTR 62,<br>LCTB 62,<br>LCTB 74, LCTB 86,<br>LCTB 104,<br>LCTP  |      |
| LH000-0904-130-128<br>(for vertical or horizontal mounting) | LCTM,<br>LCTR 62,<br>LCTB 62,<br>LCTB 74, LCTB 86,<br>LCTB 104,<br>LCTP |      |

| Accessories                          |                                 |  |
|--------------------------------------|---------------------------------|--|
| Description                          | View                            |  |
| Thread cutting screw 4 x 35mm        |                                 |  |
| Thread cutting screw 4 x 45mm        |                                 |  |
| Thread cutting screw 4 x 75mm        |                                 |  |
| Wall mounting clamp                  |                                 |  |
| Swivel                               |                                 |  |
| Shoe for self tapping M4 screw       |                                 |  |
| (only for transformers of LCTS type) | Nut of M4 screw                 |  |
|                                      | Locking pin                     |  |
|                                      | Thread cutting screw M4 x 45 mm |  |

## Busbar mounting kit:

(delivered with each current transformer)

| Kit order code     | Description                     | No of pcs. | Transformer type                                |
|--------------------|---------------------------------|------------|-------------------------------------------------|
| LH000-0904-130-140 | Wall mounting clamp             | 2          | LCTR 45, LCTB 45, LCTM 62W, LCTM 74W            |
| LH000-0904-130-141 | Thread cutting screw 4 x 35mm   | 2          | LCTR 50, LCTB 50                                |
|                    | Wall mounting clamp             | 2          |                                                 |
|                    | Swivel                          | 2          |                                                 |
|                    | Shoe for self tapping M4 screw  | 2          |                                                 |
| LH000-0904-130-142 | Thread cutting screw 4 x 45mm   | 2          | LCTR 62, LCTB 62,<br>LCTB 74, LCTB 86           |
|                    | Wall mounting clamp             | 2          |                                                 |
|                    | Swivel                          | 2          |                                                 |
|                    | Shoe for self tapping M4 screw  | 2          |                                                 |
| LH000-0904-130-147 | Thread cutting screw 4 x 35mm   | 6          | LCTB 100/100 V,<br>LCTB 100/130 V               |
|                    | Wall mounting clamp             | 2          |                                                 |
|                    | Shoe for self tapping M4 screw  | 6          |                                                 |
| LH000-0904-130-143 | Thread cutting screw 4 x 45mm   | 4          | LCTB 104                                        |
|                    | Wall mounting clamp             | 2          |                                                 |
|                    | Swivel                          | 4          |                                                 |
|                    | Shoe for self tapping M4 screw  | 4          |                                                 |
| LH000-0904-130-144 | Thread cutting screw 4 x 75mm   | 4          | LCTB 140/80,<br>LCTB 140/100H,<br>LCTB 140/100V |
|                    | Wall mounting clamp             | 2          |                                                 |
|                    | Swivel                          | 4          |                                                 |
|                    | Shoe for self tapping M4 screw  | 4          |                                                 |
| LH000-0904-130-145 | Thread cutting screw 4 x 75mm   | 1          | LCTB 140/130 V                                  |
|                    | Thread cutting screw 4 x 45mm   | 5          |                                                 |
|                    | Wall mounting clamp             | 2          |                                                 |
|                    | Shoe for self tapping M4 screw  | 6          |                                                 |
| LH000-0904-130-146 | Thread cutting screw 4 x 75mm   | 6          | LCTB 225                                        |
|                    | Wall mounting clamp             | 2          |                                                 |
|                    | Shoe for self tapping M4 screw  | 6          |                                                 |
| LH000-0904-130-623 | Thread cutting screw M4 x 45mm  | 4          | LCTS 93/30SC                                    |
|                    | Wall mounting clamp             | 2          |                                                 |
|                    | Shoe for self tapping M4 screw  | 4          |                                                 |
|                    | Locking pin                     | 1          |                                                 |
|                    | Nut of M4 screw                 | 4          |                                                 |
| LH000-0904-130-624 | Thread cutting screw M4 x 45 mm | 6          | LCTS 125/50SC                                   |
|                    | Wall mounting clamp             | 2          |                                                 |
|                    | Shoe for self tapping M4 screw  | 6          |                                                 |
|                    | Locking pin                     | 1          |                                                 |
|                    | Nut of M4 screw                 | 6          |                                                 |
| LH000-0904-130-625 | Thread cutting screw M4 x 45 mm | 8          | LCTS 155/80SC                                   |
|                    | Wall mounting clamp             | 2          |                                                 |
|                    | Shoe for self tapping M4 screw  | 8          |                                                 |
|                    | Locking pin                     | 1          |                                                 |
|                    | Nut of M4 screw                 | 8          |                                                 |



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